



TGUP 2022 Projects Completed as of November

Luz de Cristo Solar Power- Nicaragua



Learning outdoors



Installing solar panel

We installed solar panels for the new classroom we built at the Luz de Cristo school in Nicaragua. Before the new room was built, a third of the children had classes outside so could not have school on rainy days. Students can now learn on rainy days while the whole community can use the facilities after dark. **Cost: \$719**

Jubilant Science Lab - Nepal



Jubilant Students



New biology lab

Jubilant High School in Kalimati, Nepal, has 690 students. It had three rooms for science classes but no lab equipment. This Science Lab in a Box (SLaB) installation means that the students are now able to do lab work in Physics, Chemistry and Biology that will enable them to qualify to go on to university. **Cost: \$2,500**

San Antonio Playground - Nicaragua



Old play area



New playground

We built a playground in the remote village of San Antonio, Nicaragua. The children love the swings, monkey bars, and slide and are having fun while they exercise. The teachers say that the students are now more alert in their classes, and their grades are going up. The community now has a place to gather and socialize. **Cost: \$1,523**

Kiahuko Water Catchment - Kenya



Catchment systems on classrooms

Kiahuko School in Kenya faced shut down, because it had no access to water. We built pedestals of stone and concrete, reinforced with steel bars, on which we mounted four 5,000-liter tanks. Another project (see below) brought water in from a public supply, half a mile away. The water problem is solved. **Cost: \$4,004**

Pavão Pavãozinho – Brazil



Bringing in materials



Finished playground

Above Rio de Janeiro, there are more than 1.5 million people who live in favelas (slums). The many residents of the Pavãozinho community didn't have anywhere to gather and the children had no place to play. Working through our local partner, we installed a playground structure surrounded by a garden, a barbecue area, and benches. **Cost: \$3,480**

Aankura School Playground – Nepal



Old play area



In the new playground

Aankura School in Dharamghar, Nepal, has 423 students in grades 1 to 12, and 27 dedicated teachers. But there was no playground. Our partners hired a local metal worker to construct and install swings, slides, seesaws, and a merry-go-round. The children love the new play equipment and are now more focused during class time. **Cost: \$1,500**

Kiahuko Water Supply – Kenya



Connecting to supply



A large storage tank

Working with our Kenyan partners, we cut through a nearby road to connect to the main water supply. We laid half a mile of underground pipes to the school and connected them to four 5,000-liter storage tanks that we had just installed. City water will now be available to supplement the rainwater throughout the school for hand washing, cooking, and growing a vegetable garden. And the school is now safe from closure! **Cost: \$4,903**

Save a Girl – Nepal



Nepalese student with kit



Sewing Center

Working with the Nepal Women Community Service Center, TGUP funded 1,000 **Save a Girl** kits for the sewing center in Dang, Nepal. The kits have been distributed to girls at secondary schools in the mountain villages above Dang. The girls also receive education on menstrual health, female and male biology, as well as the use and care of the kits. Many of the girls come from the 'untouchables' caste, making the effect even more powerful. **Cost: \$6,000**

Mucagara Latrines - Kenya



Unsanitary old latrines



Outside new latrines

The 102 girls at Mucagara Secondary School were often late getting back to class as they had to wait in line to use the 2 latrines. Due to lack of privacy and no hand washing facilities, they sometimes skipped school during their period, leading to eventual dropout. We built a set of 4 latrines exclusively for the girls and installed a sink with running water. Girls can now attend school every day, with clean, private facilities. **Cost: \$6,000**

Soccer Empowerment Camp - Ghana



New uniforms



Boys & girls at camp

American Youth Soccer Organization in San Mateo, California again donated soccer uniforms for students, plus shirts for coaches and referees. They also donated balls, cones, and rope ladders. Everything was unused due to the pandemic. Half was sent to Sakumono-Tema in Ghana where Fawohodze ran a training camp for any child who wanted to participate. They also trained coaches and referees and set up teams and a league. **Cost: \$0**

Kiwanis Family House - USA



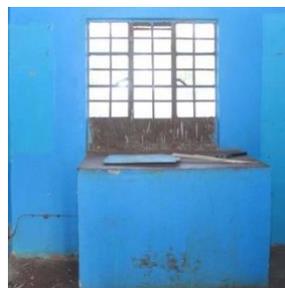
Kiwanis Family House



UC Davis medical team

We provided supplies for the 32-bedroom facility, including new mattresses, sheets, and pillows. The home is used by families whose children are being treated at the UC Davis Medical Center. These are distraught families who do not have the financial means to stay near their children and would otherwise be forced to sleep in their cars with no access to bathrooms, laundry facilities, or a place to gain respite from their overwhelming fears. **Cost: \$2,000**

Kanjuu Lab Renovation - Kenya



Before renovation



Working in renovated lab

The old science room at Kanjuu Secondary School was in very poor condition, with almost no science supplies. This project renovated the room and installed new, lockable, storage and shelving. A later project will provide the school with the equipment they need to turn the room into a modern, well-equipped, science lab and the lockable cabinets will provide safe storage for the new equipment and supplies. **Cost: \$2,286**

Luz de Cristo Resources – Nicaragua



New classroom



New supplies

After we finished building the classroom at Luz de Cristo in Nicaragua, we equipped the classroom with all the resources that the teachers and students needed including school supplies, educational games, books, a smart TV, maps, posters, and speakers. Bookshelves, common work tables, and a storage cupboard were also installed to keep the materials safe and organized. The teacher is inspired, and the children are excited to learn. **Cost: \$1,313**

Save a Girl Sewing Center – Tanzania



During training



After training

Two of our Kenyan representatives traveled to Loibor-Siret, Tanzania to teach new seamstresses how to make *Save a Girl* kits, school uniforms, and other clothing. This will help the new center be self-sufficient. The management team was trained on the business knowledge needed to plan, manufacture, and distribute kits, as well as how to give the education that accompanies every distribution. We paid for the first 500 kits. **Cost: \$4,700**

Kanjuu Sports - Kenya



Old play area



New netball court

The Kanjuu Secondary School in Ngariama, Kenya had no sports facilities. We built netball and volleyball courts and provided sports equipment and uniforms for all of the school's students. This is one project in a whole-school renovation that was started when a new kitchen was completed in late 2021. Other projects include building a new classroom, adding a science lab, and installing electricity throughout the school. **Cost: \$2,723**

Barahachhetra Playground – Nepal



During construction



Young children's area

Barahachhetra School in Badachaur, Nepal, has 593 students but only old, rusted, and unsafe playground equipment. We installed new slides, swings, and a sand volleyball court for the older students. The youngest children received a smaller playground structure and inside play equipment. TGUP's Nepal partner, Nepal Women Community Service Center and the local community contributed 20% of the overall cost. **Cost: \$1,716**

Kanjuu Classroom – Kenya



Makeshift classroom



New classroom

Kanjuu School, in Ngariama, Kenya had 5 classrooms, all in need of repair. Some students attended class at an outdoor table. Because of the state of the buildings, the Ministry of Education limited the enrollment to 140 students, though many more wanted to attend. We built a large new classroom with a concrete foundation, tiled floor, stone walls, glazed windows, and a sturdy roof. **Cost: \$14,177**

Las Ruinas Kitchen – Guatemala



Dilapidated old kitchen



New kitchen

Las Ruinas is a rural community of 2,000 in Peten, Guatemala. The government provides for one meal and one snack each day for the students. But, because the old kitchen was dilapidated, some of the parents were doing the cooking at home. The school desperately needed a new facility. The new kitchen has electricity, lighting, plumbing, plus new surfaces for food preparation. **Cost: \$12,054**

4 New Sewing Centers - Nepal



Buying sewing machines



New seamstresses

We recently opened 4 new **Save a Girl** sewing centers in Holari, Gadwa, Bhalubang & Madhakupur, Nepal. Four of our experienced seamstresses from the Dang center managed the training and opening of the new locations. They trained 50 seamstresses at each center. This project provided 8 treadle sewing machines and 4 sergers and will allow women to not only sew **Save a Girl** kits, but also earn a respectable wage and help many more girls. **Cost: \$2,200**

School Computer Lab – Nicaragua



New Computers



Students working in lab

Miguel Angel Ortiz School had a computer room but out-of-date equipment that was no longer working. Our donation was matched by Seeds of Learning, our Nicaraguan partner, so we were able to provide 15 computers and 8 Uninterruptible Power Supplies to reactivate the lab. The computers will enable the 500+ students to be trained on computer use, the teachers to use for lesson planning, and graduating students to look for jobs. **Cost: \$2,332**

Bhawani Assembly Stage - Nepal



Building the stage



Recent assembly

Bhawani School in Kakani, Nepal, has 1,000 students in grades 1 to 12, and 40 teachers. There is a daily assembly for the whole school, but many of the students could not see the presenters. With the new raised 26ft x 18ft stage everyone can now see and hear and school spirit has improved. The stage will also be used for PE class demonstrations, student performances, and district-wide meetings. **Cost: \$720**

Kanjuu Electricity - Kenya



Indoor lighting



Exterior lighting

We recently built a new classroom at Kanjuu Secondary School in Kenya, which has 140 students and 16 staff members. This project brought electrical power to the entire school. All classrooms now have power outlets, switches, and lights. We also installed security lights outside all the buildings that will allow safe access to the rooms for evening use by the community. **Cost: \$1,814**

Bangkukuk Renovation - Nicaragua



Old classroom



After renovation

The falling-apart classroom was the only school in the Bangkukuk area of the South Caribbean Autonomous Region of Nicaragua. It had holes in the roof, walls, and floor, and most of the windows were broken. Working with our Nicaraguan partner, we completely renovated the building and put up a fence to keep out livestock. It is only accessible by water, so all the supplies had to be delivered in a longboat. Everyone helped, and they are very proud of their work. **Cost: \$2,960**

Clothing for RV Students - USA



Clothes for distribution



RV homes

Working with our local partner and a network of their volunteers, including people who live in RVs (they knew which children most needed new clothing), we were able to provision 50 RV children with full sets of like-new summer clothes, and back-to-school outfits. These donated outfits will really help the students fit in well with their new classmates in the fall. They will be more comfortable going to school and will therefore do better in their classes. **Cost: \$0**

Rainwater Harvesting – Kenya



Gutters on new classroom *New water tank*

Kanjuu School, in Ngariama, Kenya is in a drought prone area so the fruit and vegetables in the kitchen garden need to be watered. The produce is used to provide nourishing school lunches – frequently the only meal the students get – and this encourages the parents to allow the students to stay in school. The catchment system of gutters, pipes, and tanks will collect water during the rainy season, for use during the dry season. **Cost: \$734**

Maasai Stoves & Solar – Tanzania



Building stove & chimney *With chimney & solar*

Maasai homes use open fires for cooking and heating, but they have no ventilation. 25 in 1,000 children under 5 die from lung problems and every year many toddlers are badly burnt. The stoves have brought carbon monoxide down to healthy levels since the smoke goes up the chimney. A new solar-powered micro-grid provides light to the 8-10 mud huts in each boma grouping and an outside light protects livestock from predators. **Cost: \$2,400**

Luz de Cristo Playground – Nicaragua



Old play area *New playground*

The children at Luz de Cristo school in Nicaragua had only dry dirt on which to play. Now they are loving having a playground with swings, a slide and monkey bars. The mixed age school has play equipment that is perfect for all ages, and the children get to school early so they can play before school starts. There are no more tardies for the children at Luz de Cristo School, and their grades are already improving! **Cost: \$1,412**

Save a Girl – Kenya



Primary school student *Girls from the slums*

TGUP's Kenyan partner, Kiini Sustainable Initiative, manages the sewing center in Nyeri that produces the majority of the **Save a Girl** kits that TGUP funds. They have already produced 11,100 kits this year and distributed them at more than 25 primary and secondary schools. Many girls in Kenya drop out of school when they do not have access to menstrual supplies. This might be one of the highest returns on human investment in the world. **Cost: \$48,600**

Girls' Empowerment – Ivory Coast



Girls at Karat School



New soccer uniforms

The Karat School in Gounioubé organized a soccer camp for all the girls in the community. People in the area hadn't realized that girls can play soccer, and this was a great way to empower them. While they were having fun playing soccer, they learned many life skills, including teamwork and determination. They also love the uniforms and equipment donated by the American Youth Soccer Organization of San Mateo, California. **Cost: \$0**

Luz de Cristo Water – Nicaragua



Old leaking Manual Pump



New water supply

The village of Luz de Cristo in Nicaragua had only a leaking well, with an old manual pump, as the sole community water supply. Working with Seeds of Learning, our Nicaraguan partner, we installed a new water system. The new well's pump is operated with new solar panels that fill the newly-installed 1,000-liter water storage tank. The well will supply enough water to meet all the needs of both the village and school. **Cost: \$2,638**

School Playground - Nepal



Old play area



New swings

The Global Vision boarding school in Lamjung, Nepal has 500 students from Nursery School through 12th grade. The local community provided 60% of the cost of a new playground as they knew that exercise and play are vital for children's health and development. Tom Chapman's family donated the rest of the funding, in his memory. The children now have three slides, four swings and three seesaws. They love their new playground! **Cost: \$980**

Kiahuko Latrines – Kenya



Old collapsing latrine



New blocks of 4 latrines

This is part of a major renovation at Kiahuko Primary School in Kenya. After water was piped into the school and connected to storage tanks, two sets of latrines were built, each with four stalls. One set is for girls, the other for boys. There are 222 girls, 232 boys, and 12 staff, but enrollment is expected to increase dramatically in the coming year. The four old stalls, were full and starting to collapse. **Cost: \$11,868**

Kitchen Supplies- Guatemala



Inside new kitchen



First school meal

We demolished the old, condemned, kitchen at Las Ruinas School and built a new kitchen with easily-cleaned surfaces and room for safe storage of food and equipment. This project provided an industrial stove, chest freezer, large upright refrigerator, microwave oven, blender, coffee maker, water dispenser, cookware, and utensils. The school now provides safe, nutritious, food for the 198 students and 14 staff. **Cost: \$2,776**

Home First Kit Distribution - USA



Kits for distribution



Home First employee

We donated 50 **Save a Girl** kits to girls at Home First tiny homes villages. Home First provides interim housing and support for people who have been homeless and just need a little time and help to transition back into their own homes. Our **Save a Girl** educational materials provided the girls with information on female biology, feminine hygiene, and how to look after their kits. The kits were greatly appreciated! **Cost: \$300**

Baking Center - Nicaragua



New Kiln



Baked goods for sale

We installed a community baking center in San Antonio, Nicaragua so the local women can bake for their families and make baked goods to sell at the local market. The strong 16' x 10' cement floor supports a 6.5' x 6.5' traditional baking kiln and work area. It is covered by a steel canopy as weather protection. The women can now earn money to help support their families in this rural area where they struggle to provide food and basic goods. **Cost: \$2,061**

Emergency Food Relief - Kenya



Food supplies



Recipient families

The Tigania East and West Sub Counties of Meru have had so little rain for the last 2 years that the crops have completely failed. Most of the families in the area are peasant farmers who live off the produce they grow and sell any extra at the local open markets. The drought has been so severe that most people do not have any food. We donated three months of food staples for 95 families benefitting more than 500 people. **Cost: \$2,000**

Bhim Ma Vi Computer Lab – Nepal



New computers



Computers in use

The Bhim Ma Vi government school has 188 students in grades 1-10 with 15 teaching staff. Their students could not go any further in their education due to the lack of computer knowledge and skills. We helped the school acquire 20 computers, 2 projectors, a smartboard, and a digital attendance system. The school and community contributed 93% of the total project cost making the project possible. **Cost: \$800**

Narayani Science Lab – Nepal



Practical lesson



Purchasing supplies

TGUP provided its **Science Lab in a Box** to the Narayani English Public School in Basantapur, Nepal. The school has 1,600 students in grades 1-12 with 110 staff, but insufficient equipment to do laboratory science. The national science curriculum is taught. Now the students can do world-class lab work in Biology, Chemistry, and Physics. Without lab experience, the students could not matriculate to the best universities. **Cost: \$2,040**

Ngungu Primary School – Kenya



Crowded classroom before



New benches

The Ngungu Primary School in Kirinyaga, Kenya has 330 students and 16 teachers and staff. Often, the students have to share chairs, benches, and desks because there are not enough for the number of students. This project provided 20 sturdy, new chairs for teachers and staff, 8 large common work-tables for use by the students, and 16 six-foot benches, also for use by the students. Now, everybody has a place to work. **Cost: \$2,012**

Sankhadevi Playground – Nepal



Students playing



New play equipment

Children need to play! The Sankhadevi Secondary School in Majhimtar, Nepal has 546 students supported by 26 dedicated staff members. The school had a large area for assembly and play but no playground equipment. This project installed 2 slides, a swing set with 4 swings, 2 seesaws, and a trampoline. We'll also add monkey bars later. The school and community covered 50% of the total cost making the project feasible. **Cost: \$1,260**

Ngungu Science Lab Build Out - Kenya



Old science lab



Renovated lab

The Ngungu Secondary School has 140 students but they could not continue on to compete at a university level because they did not have a functioning science lab. It was in dire need of both a physical upgrade as well as materials and equipment. This project upgraded the lab in preparation for TGUP's Science Lab in a Box (SLaB) installation. Other projects included gas, water, and electrical installation.

Cost: \$4,236

Nyeri Sewing Center - Kenya



New machine



Seamstress training

This project provided for one week of advanced training for the seamstresses that have been making TGUP's *Save a Girl* kits at the sewing center in Nyeri, Kenya. They were taught by a professional tailor how to make school uniforms, security guard uniforms, PE clothes, dresses, and other items of clothing to sell. TGUP also funded an additional sewing machine that can make buttonholes, do zigzags, etc.

Cost: \$1,380

Maasai Training - Tanzania



Trained Maasai women



New stove installed

Working with our Tanzanian partner, ICSEE (International Collaborative for Science, Education, and the Environment), ten Maasai women were trained by women from nearby villages to be expert chimney stove installers. In the weeks to follow, 100 homes received the smoke-removing and efficient stove installed. For most of the women, this is the first paying job they have ever (or will ever) have. Their status within their families and the community is uplifted. **Cost: \$2,557**

Ngungu School Electricity - Kenya



Outside security lights



Lights in classroom

The Ngungu Secondary School had electricity installed but only to two rooms. This project provided for power to be connected for the remaining 8 classrooms, staffroom, and security lights in the exterior hallways. This was one of multiple projects needed prior to TGUP's SLaB (Science Lab in a Box) being installed, which has also now been done. The Science Lab is now at the highest national standard. **Cost: \$1,000**

Ngungu School Gas - Kenya



Installing gas line



Gas in each work bench

The science lab at the Ngungu Secondary School was recently renovated in preparation for TGUP's SLaB (Science Lab in a Box). Gas is often required in experiments, so the students were using disposable propane tanks. Those were not only unsafe, but not environmentally friendly as they were not refillable and thus just thrown out. This project installed a gas line directly into the science lab where each bench has its own gas access.

Cost: \$1,475

Water Tanks - Kenya



New 3,000-liter tank



Community shared tank

Working with CIFORD (Community Initiatives for Rural Development), TGUP funded nine 3,000-liter water tanks to the Meru community. For every three tanks installed, the community contributes one tank so a total of 12 tanks were installed. Each 3,000-liter tank costs \$300 and includes a roof water catchment system and installation. The community often has erratic and unpredictable rainfall so these tanks will allow for a steady supply of water. **Cost: \$2,700**

Science Lab in a Box - Kenya



Science equipment



Students with supplies

TGUP, in partnership with KISI, first renovated the science room at the Kanjuu Mixed Day Secondary School. That project included new benches, locked cabinets, etc. Then a Science Lab in a Box (SLaB) was installed so that the 140 students can now carry out world-class-level experiments in Biology, Chemistry, and Physics. This allows them to be more competitive in applying for university studies, which they otherwise would not qualify for. **Cost: \$2,300**

Ngungu School Water - Kenya



Installing water pipes



New sinks

This project added a water line into the science lab at the Ngungu Secondary School. The building has gutters that drain rainwater into a 5,000-liter storage tank. This water can now be piped directly into the room so that experiments can be conducted in Biology, Chemistry, and Physics. Previously, the students had to go outside to the water source to wash or carry water back into the room when needed for experiments. This adds safety and convenience to the lab. **Cost: \$700**

Stoves - Tanzania



Using a new stove



Boma huts with chimneys

TGUP, in partnership with International Collaborative for Science, Education, and the Environment, funded the installation of 100 stoves in homes in 12 different Maasai villages. Ten recently trained Maasai women did all the work. This project placed vented chimney stoves into each home preventing smoke inhalation and illness. Without these stoves 25 children per thousand die before the age of five from lung related ailments due to inhaling the smoke from open stoves.

Cost: \$6,900

Kiahuko School Electricity - Kenya



Lights in a classroom



Excited students

Conditions at Kiahuko school are very rudimentary. The school has 485 students but only 8 classrooms. The windows are small, and the rooms were too dark for the students and teachers to be able to read or write on cloudy days. The children are really excited by the new lights that have been installed in every room, allowing them to work even on the gloomiest of days.

Cost: \$2,075

Water Filtration - Nepal



School entrance



Installing new pipes

We installed a new water filtration system for the Mahendra Bhawan Secondary Boarding School in the Kathmandu Valley. The school has 250 students, and 36 staff members. The previous water system was so old that the water was unsafe and causing illness. Now there is plenty of clean drinking water.

Cost: \$960

Solar Microgrids - Tanzania



Recently trained installers



Light & power inside

Ten Maasai women from the Moduli District in Northern Tanzania were trained to install clean burning stoves and solar microgrids. These microgrids power lights and electricity in the huts where the Maasai live. This allows for activities inside the huts after dark, as well as protecting livestock from predators.

Cost: \$1,800

Food for Students - Kenya



500 children get lunch



Excited to have lunch

Kenya is in the midst of a prolonged and crippling drought, worsened by a spiraling global food crisis — 1 in 3 Kenyan children are suffering from acute malnutrition. This project provided ingredients for 5,000 meals for children (the midday meal, of githeri, is a mixture of maize and beans). Over 2,000 lbs of dried beans and maize, and 40 liters of cooking oil were supplied to schools at Kiahuko, Mwiyo and Lachuta.

Cost: \$2,500

Braille Teaching System - India



Learning to read braille



Immediate feedback

We funded a Braille computer system for the Jagriti School for Blind Girls in Pune, India. This is a residential school for visually impaired girls with 100 girls pursuing education from 1st to 12th grades. Up to the 4th grade, the girls learn in Marathi Braille, which is the language of the state of Maharashtra. From 5th grade onwards, they learn in Unified English Braille, which is the Braille system used throughout the English-speaking world.

Cost: \$2,400

Water Filtration - Nepal



Clean drinking water



Storage tank

The Buddha Vision Academy in Dhading, Nepal has 300 students but had no access to clean drinking water. The students and staff frequently became sick from water borne illnesses. According to data from the Department of Health Service in Nepal, about 3,500 children die each year due to water-borne diseases. This project installed a new water filtration system to provide clean water.

Cost: \$720

Ngungu Science Lab - Kenya



Biology lesson



Chemistry experiment

After renovating the science lab room, we installed a Science Lab in a Box (SLaB). This provided all the equipment, materials, and supplies needed for the school to teach practical Chemistry, Biology, and Physics. Ngungu has 142 students who will now benefit from the SLaB which will allow them to continue to university studies. The school and community contributed 35% of the cost.

Cost: \$2,500

Las Ruinas Playground – Guatemala



New Monkey bars

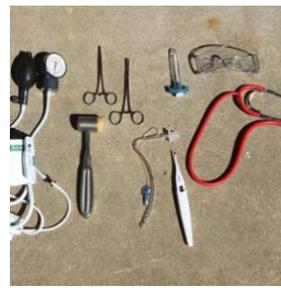


New swing set

Las Ruinas School had 198 students and no playground equipment other than some old painted tires. We installed a slide, 4 swings, and a set of monkey bars. The parents were very supportive and did a lot of the work to keep down the cost. The playground will help *thousands* of students enjoy a better education. Outside of school hours, village children and families, too, will be able to enjoy using the playground.

Cost: \$1,946

Medical Supplies - Tanzania



Types of equipment sent



Students to be seen

\$1,400 worth of medical equipment was donated to TGUP, and we sent it to our Tanzanian partner so that it can be used by the staff in their Mobile Health Clinic to help thousands of children in Loibor-Siret area of Tanzania. The health staff go out into the community to provide basic health care to the local population, and advise on nutrition, safe birthing, and blood pressure issues.

Cost: \$400

Drought Resistant Seeds - Kenya



Arid ground



Planting new seeds

Meru county has had 3 years of drought and last season there was a total crop failure. Most of the people in this area are depending purely on rain fed agriculture so the families have no food and no money. Many children have dropped out of school to try to earn money for food. This project provided drought tolerant seeds in advance of the rainy season, which started in November.

Cost: \$1,200

Save a Girl Kits – Muranga, Kenya



Student with her new kit



Excited to stay in school

291 girls in Muranga County received washable reusable sanitary kits that will keep them in school for at least 3 more years and allow them to reach their academic potential. The girls can now have hopes and dreams of a future which they would never before have been able to imagine. All the girls were also given menstrual hygiene education and self-defense training.

Cost: \$1,746