Project – Transforming Education
In public schools

Project Title

Transforming Education; Providing Book Library, Computer Literacy, Clean Water Source, Latrine, and Hand Washing Stations in Schools

PURPOSE

Encourage Reading, Bridging the Digital Divide in Education, Water, Sanitation and Hygiene

PRINCIPLE IMPLEMENTING CLUB

Rotary Club of Nairobi Muthaiga North

District 9212

INTERNATIONAL PARTNER CLUB

Currently searching for an international partner.

In Partnering with RCNMN on this project , you are making a lasting and sustainable impact in the future of our world - The future generations

PARTNERSHIP

We shall partner with five public schools. The schools shall provide secure physical structure to be used as computer laboratory. The government has already included basic computer lessons in its curriculum for secondary school and primary school. The school management shall assist in managing the Library and Computer laboratory as well as maintenance of abolition block.

We propose to install computer desks, internet and network cabling, and provide direct and uninterrupted power in every computer laboratory. We will implement twenty (20) computers in each school, a book library with Shelves and two sets of ablution block for girls and boys respectively.

Targeted groups of the project:

- Government Primary schools in Kenya
- The administration and teachers of these schools.
- The youth in the community

By "Digital divide has affected individual students across counties, lowering the academic outcomes of those in low-income communities"

NEED ASSESSMENT

RC Nairobi Muthaiga North has conducted need assessment with the intended school as they interacted in various visits done recently.

1. We organized donation of books in the schools.

2. Attended parent / teacher meetings

3. Organized tree planting in the schools

4. Donated desks for the school

5. Organized meetings with the school administration

6. Club members sponsored school uniform and school shoes to needy pupils

7. Each school is assigned a member of the club to champion the project

8. Have continuously conducted Teachers, Pupils & Parents mentorships

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Champions:
- Past President Rtn Nyambura Nugi
- President Elect Rtn Manasses Mwangi
- Director Rtn. JaneRose Gitari
- Director Rtn. Mary Ndungu

2.0 BACKGROUND

RC NAIROBI MUTHAIGA NORTH Kenya, is a chapter of District 9212 in Kenya, which was chartered eight Years ago, in December 2013, in Nairobi, Kenya. The club has grown from 38 charter members to 93 current members. It is one of the best performing and active club in District 9212. The club is a mothers club to three Rotary Clubs and one Rotaract club. It has stable leadership. All past presidents and a past District Governor serving at Rotary International Level, are active and resourceful members of the club. In the past years RC Nairobi Muthaiga North Club has successfully managed two global grants in maternal and neonatal child health

GG No. 1642555 - Phase 1:   Value USD. 91,000

And

GG No.1868283 - Phase 2:   Value USD. 92,000

Our Vision statement is: Together we will CREATE impactful and lasting CHANGE in our COMMUNITIES and OURSELVES

Our Mission Statement is: To support and promote Rotary service and image within the communities and Rotary families, strengthening membership and fulfilling our goals.

3.0 PROJECT OBJECTIVES

Lack of quality education steals choices from Children. Just like many of us were given an opportunity in life, we can give children opportunity to make a choice for a better career path. Transforming Education Project is focusing on five (5) government schools in Kenya, to enhance education by providing a Book Library, Computer Literacy, Clean Water Source, Latrine (Ablution Block) and Hand Washing Stations in each Schools. Total beneficiaries will be approximately 1,200 pupils every Year

Many schools don't have enough materials or the proper kinds of materials to facilitate teaching and learning. Although many schools struggle to obtain traditional learning materials, technological tools and nontraditional approaches to education such as computer learning and improved libraries are becoming more widely used. It is necessary to inculcate a reading culture in youngsters in their formative years

SCHOOLS TO BENEFIT

1. Mwihoko Primary school - Nyeri
2. Thindigua Primary School – Kiambu
3. Kamwangi Primary School - Kiambu
4. Mutungara Primary School - Embu
5. Chaleta Primary School - Kiambu

Other than the direct learning tool, children improves their Skill, Confidence to Succeed and Achieve Full Potential by providing a conducive learning environment. WASH (Water, Sanitation, and Hygiene) interventions in schools have been an effective way to improve school attendance, as well as children's health and school performance. Providing clean drinking water, hygiene education (e.g., handwashing), and safe sanitation facilities creates a virtuous cycle in which children become less susceptible to waterborne illness and therefore miss school less frequently, attend school in a healthier state, and consequently perform better in school. In Africa 80% of children don't have access to clean drinking water opening them up to diseases and increasing mortality to 40%. With this project, about 70% of the households will access clean drinking water and reduce the mortality by over 85%

- Repair and upgrade of ablution block in schools that integrate girl-friendly components.
- Reduce digital divide by improving Computer learning and digital literacy in classrooms
- Learn-from-home packages, guidance for teachers and parents to support students learn from home.
- Offer opportunity for every child to receive quality education including the foundations for reading and writing.
- Increase efficiency in schools through automation of processes
- Provide clean drinking water in schools
- Provide decent ablution blocks that are secure and encourage children dignity
- Provide hand washing stations to retain hygiene and health in schools
- Awareness on proper waste management
- Tree planting in school

Rotary Club of Nairobi Muthaiga North is applying for a grant to equip 5 identified marginalized schools to introduce computer literacy putting into consideration but not limited to these various challenges.

The proposed transformation school project is focusing:

- **School Library & IT Centre:** Build the school library and equip with desks, books book shelves and computers. This will serve the Knowledge Centre and as the IT Centre that provide IT infrastructure and IT courses as well as improving basic education. . This will bridge the digital divide by providing basic computer knowledge and ensure early reading and writing learning
- **Ablution Block:** To rehabilitate and build a block of additional 8 toilets for primary school and 2 toilets for PP1 & PP2. Ensure that the girls block have sanitary equipment's
- **Water Harvesting & Storage:** Rehabilitate existing water storage tanks and build additional water tanks to harvest water from all the building

- **Hand-Wash Station:** put up a hand washing station for children near the ablution block that provides safe drinking water, improves hygiene and promotes good health outcomes.

4.0. IMPLEMENTATION METHODOLOGY

The project will be implemented as outlined below:

1) The setting up of one library and IT center in each of the five schools. Appropriate computers, printers, routers, furniture and other periphery equipment from reputable wholesale suppliers. The project requires twenty computers per center. All must have a valid warranty.

2) The centers will be hosed in available school structure. Where there are no classrooms the computers will be held in forty-foot steel containers. These will ensure the security of the equipment. There will be the installation and testing of the equipment and some reconfiguration to enable use by people with limited or no computer or literacy skills.

3) The teachers and identified PTA Staff will be trained by identified institution who have the needed computer skills. Training is to be done in English and Swahili as well as in local languages where possible. The institution will train school teachers who will take over the project after six months.

4) The school without the government electricity will be provided with solar panels for clean energy and for purposes of economy to provide power for the hardware.

5) Water tank and gutters to be installed in appropriate area. When this is achieved, the water storage capacity will be 24,000 liters. Walking long distances to collect water has been prioritized for many children over their school and study. We propose Community Inclusion / Animals Water Trough. This ensure children have time for school, time to play and equal opportunity with their peers.

6) Completion of ablution block with lockable doors, ventilation and proper sanitary components for girls and urinals for the boys

7) At the end of the six months the project will be handed over to the local management and trainers under the guardianship of RC Nairobi Muthaiga North in.

8) Co-Currently run a Proper Waste Management awareness in the school

9) Plant at-least 20 trees in every school

5.0   MONITORING AND EVALUATION

The activities are monitored by the school office / administration which also does evaluation and certification through accredited examinable bodies. Pertinent licenses will be acquired before full operations can begin

6.0 SUSTAINABILITY

Kenya education system has an examinable curriculum for digital learning and coding, but over 98%of public schools DO NOT have even a single computer for the teachers or the pupils.

a) The school Head Master will be the primary contact person for school equipment's and maintenance oversight.

b) The school Board of Members who comprise of the Head Master, County Government Education Officials, Parents and Professionals (non-parents) and who meet 3 times a year are the contacts for financial sustainability.

The organization plans to make use of the projects equipment to give IT services such as cybercafé to the community to raise funds to enable the program run. Locals who want to learn computer skills will also be admitted as fee paying student. The school will also offer printing services of such items as cards, calendars, bulk photocopying, and book binding to enhance earnings that will help in offsetting maintenance costs. The project will serve as a model school for regeneration of public schools as well as private schools in th country

7.0   BUDGET and TIMELINE:

School Library & IT Centre: Build a school library and equip with desks, chairs, book shelves, books and computers. This will serve the Knowledge Centre & IT Centre for the pupils & community at large for the area. Project Budget is Kes1,200,000 (USD) per school

Water Harvesting & Storage

Rehabilitate existing water storage tanks and harvest water from all the building structures. When this is achieved, the water storage capacity will be 24,000 liters. Project budget Kes.300,000 per School

Ablution Block

To rehabilitate current toilets and build a block of additional 8 toilets for primary school, 2 toilets for PP1 & PP2, Teachers toilet & Form 1-4 toilet. Currently the schools have dilapidated toilets that expose the pupils to serious danger. Project Budget Kes500,000 per School

Timeline

The project will run for one years (12 Months) with co-current deployment for the 5 schools.

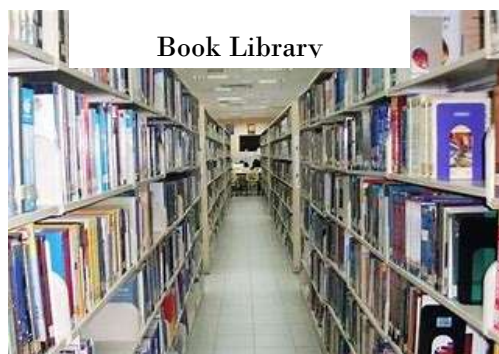**Sample Table**

Water Harvest Gutters

Water Tank

Ablution Block - Uplift

Computer Laboratory

Book Library

Assessment Summary

Members of Rotary Club of Nairobi Muthaiga North visited the schools and discussed the needs. The following are pictures of each school taken during a recent visit.
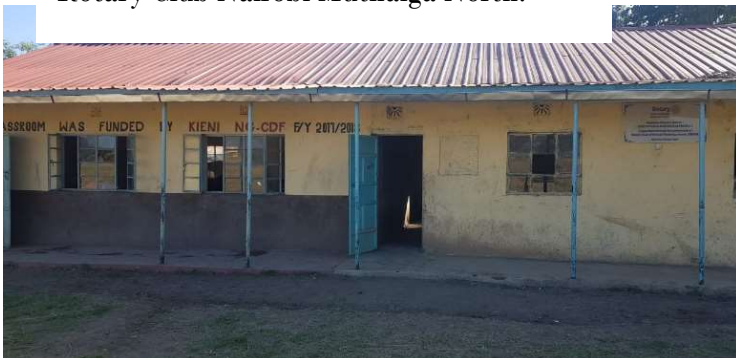
1. **Mwihoko Primary School – Nyeri**

Mwihoko Primary School was established in 1989
The School stands on a 6 acre land and has an
allotment letter. The School was a community
initiative project that started in 1989. Distance from
the Nearest Town: 46..Km from Nyeri Town.
Geographical facts: Kieni East is a semi-arid area with
very short rains throughout the year.
Target Group Primary School Children – Basic
Education. Estimate No. of Beneficiaries - 400 pax
This is a school project: Current number of students –
280. Number of classrooms – 8. The status of the
classrooms was partially addressed by RC Nairobi
Muthaiga north where they assisted in getting a
permanent classroom.

The Current status of the school still remains
unfavorable for the children whose opportunity in
proper education is compromised by virtual of birth

The first permanent classroom built by
Rotary Club Nairobi Muthaiga North.

The toilets are in a sorry state with holes on the floor endangering the learners, they are incomplete with no
doors and are barely sufficient the children.

2. Thindigua Primary School – Kiambu

Thindigua primary school was started in the year 2006 as a nursery of municipality and later was taken by Thidigua Company in the year 2007, until 2011 when the government took over. The first KCPE was done in the year 2013 which registered a Mean Score of 267. In the year 2015, the CDF constructed a permanent Stoney building together with an ablution blocks which is currently in use. The school has a population of 700 pupils.

The school is a mixed day public school which is situated in a strategic area and the environment is overwhelming. Most of the pupils come from a neighboring slum known as GG. Due to this most of the parents are low income laborers, hence not able to meet most of the needed facilities in the school.

The schools physical facilities are inadequate; there is no playing field for the children; No electricity and No water storage tank. Due to increasing population of children, the ablution blocks remain inadequate. The school also require additional

classes, Library, Computer Laboratory and an Administration block.

3. Kamwangi Primary School – Kiambu

Kamwangi Primary school is a public mixed primary school located in Mangu, Gatundu North Constituency in Kiambu County. The school has 700 pupils. The school has a number of good classrooms, and old latrines for boys and girls and a few designated to the teachers.

The school does not have a library nor a computer laboratory. The current latrines are in very poor conditions that affect the children's overall hygiene.

The school also has an old tank that needs uplifting.

The roof of the classrooms could be put gutters for collecting rain water since the location of the school is within the highlands of Kenya where plenty of rain is experienced.

4. Mutungara Primary School

Mutungara primary school was started in the early 80 as a government run school. It is an integrated public primary school located in Nyangati, Mwea Kenya. It has 600 pupils. The school has permanent Stoney classrooms and a few toilets for boys and for girls. The school has no electricity

They requires a Library and a Computer Laboratory. The roof can be installed with gutters to collect rain water. They also require a storage tank and a hand-wash station.

5. Cheleta Primary School – Nairobi

Cheleta Primary School was started in the early 70s. It is a public primary school located in Runda, Nairobi. It serves a population of 900 pupils, children between the age of 6 years old to 14 years old. The school is situated in a good neighborhood. The majority of children attending this school come from the neighboring slums, most of which live below poverty line.

The school has received immeasurable support from various Rotary Clubs such Ridgeways Gigiri (Rotaracts) and Rotary Club of Karura; however the solutions were to address their current constraint at the moment. The school has old latrines and a set of ablution block in the field which are not in use as they are the sitting bowls type. Due to lack of resources, when used by the children, the learners suffered hygiene related infections especially the girls, hence the administration discontinued their use. The school administration require to manage the existing ablution block for the teachers and install additional ones that are easier to maintain for the children. The school has no library nor a computer laboratory.

Hand-Wash station to assist during Covid-19 pandemic

The playground is unleveled and the school efforts to fundraise has not been successful.