



# DIGITAL LITERACY FOR SCHOOLS PROJECT PROPOSAL

**JAN 2025**

## 1.0 Executive Summary:

The Rotary Club of Nairobi - Lang'ata (RCL) has been developing and implementing computer laboratories in public schools in underserved areas under our flagship project Digital Literacy for Schools Programme (DLP). <https://www.youtube.com/watch?v=p6HChTJb1VY>

The objective of this project is to improve access to digital literacy for the rural poor children and close the digital divide while providing them with skills to make them able to work, learn and compete in an increasingly digital world.

Our Digital Labs for Schools Initiative contributes to the UN Sustainable Development Goals (SDGs), particularly:

- Goal 4: Quality Education - Relevant technical skills and access to education content
- Goal 5: Gender Equality - Promoting digital access to male and female students
- Goal 8: Decent Work and Economic Growth - Increasing job prospects and reducing the likelihood of unemployment
- Goal 9: Industry Innovation and Infrastructure - Driving access to information and communications technology

For the Rotary years 2024-2026, we intend to implement ten (10) computer laboratories across the country and in this way continue the work that was started in 2022 when we launched our first Computer Lab - **To contribute to the reduction of acute ICT infrastructure and skills shortages currently facing public schools - enhancing the ability to compete in the global economy.**

## 2.0 Organization Information: Rotary Club of Nairobi-Langata

The Rotary Club of Nairobi-Langata (RCL) was established in 2001 and is part of Rotary International which is a world-wide organization of professionals and business leaders united to provide humanitarian service, encourage high ethical standards in all vocations and to create positive change in the communities we serve.

Current membership numbers are 150 members, all professionals and business leaders who volunteer their time, skills and talents to bring positive and sustainable change to their communities.

Rotary has seven areas of focus: (i) Peacebuilding and conflict prevention, (ii) Disease prevention and treatment, (iii) Water, sanitation and hygiene, (iv) Maternal and child health, (v) Basic education and literacy, (vi) Community economic development, (vii) Environment.

Within the focus area of Basic Education and Literacy, the Club has in the past carried out impactful projects which include.

- A scholarship program that supports the education of 30 high school students every year.
- Establishment of libraries in schools and donation of books.
- Construction of ablution blocks in schools to take care of sanitation needs of the students.
- Establishment of water harvesting systems within schools
- Donation of sanitary towels to teenage girls.
- Conducting mentorship programs in primary & secondary schools.
- **OUR FLAGSHIP PROJECT:** Digital Literacy Program for Schools (DLP)

The club has been awarded numerous awards by our Rotary District over the years, including but not limited to: (i) 23/24 – Overall Winner Foundation Giving Award, (ii) 23/24 – Overall Winner Special Project Award, (iii) 23/24 – Overall Winner Governance Award

In addition, Rotary Club of Nairobi-Langata was Invited to: Rotary Day at UNESCO 23-24 (4 May'24 in Paris, France) who theme this year was **'focus on education and peace'** where our Rotary District D9212, showcased and discussed: "The Contribution of Technology in Education" with the Rotary Club of Nairobi-Langata (RCL), Digital Literacy Program for Schools Project as a Case Study & how RCL and Rotary District 9212 continue to foster impactful basic education and literacy global grant projects

### **3.0 Problem Statement:**

Increasingly, all aspects of life are moving online. Through smart phones and computers, we are trading, working, collaborating, learning, interacting digitally more than at any other time in human history. The Covid-19 pandemic accelerated the global movement towards digitization. However, digital growth is not taking place evenly.

Many young people in rural communities and in vulnerable, underserved areas of Africa are being left behind in the drive towards digitization, due to the high cost of internet access, the lack of consistent electricity supply and a lack of infrastructure that would support digital learning.

As a result, many students are growing up unprepared for the digital future that awaits them.

OUR Ambitious goal is to continue bringing digital access and literacy to over 5,000 students and 100 teachers in primary schools in underserved communities across Kenya between 2024-2026

### **4.0 Project Objectives And Scope**

Through strategic partnerships, the Rotary Club of Lang'ata is proposing to bring digital access and literacy to over 5,000 students and 100 teachers in 10 primary schools in underserved communities across Kenya between 2024 and 2026.

#### **4.1 Project Objectives**

- Work with the Kenyan government, implementing partners, donors, well-wishers, and other partners to build and maintain model computer labs.
- Procure and provide desktop computers and supporting equipment for learning at the targeted schools.
- Provide enriched learning resources and content for use in teaching students.
- To build the capacity of teachers in the targeted schools to teach through digital tools.
- To provide sustainable, long-term maintenance of these digital spaces

## 4.2 Project Scope

The project will be implemented in partnership with Computers For Schools Kenya (CFSK), a non-governmental organization experienced in supporting digital literacy in schools across Kenya.

[Computers For Schools Kenya – Propelling Kenya in the Digital Age \(cfsk.org\)](http://cfsk.org)

- **Construction & Refurbishment:** Converting an existing classroom to a computer lab, including enhanced security features.
- **Furniture:** Providing 13 double computer desks, teachers desk and 26 chairs
- **Hardware:** Installing 25 desktop computers preinstalled with Windows 10, office suite and antivirus software, 1 printer, 1 projector& screen and 1 UPS to mitigate damage to the hardware due to power fluctuations and outages
- **Cabling:** Electrical & Data Cabling as well as setting up a Local Area Network (LAN) connecting the learners' and teachers' computers to ensure the computers are powered and connected.
- **Computer software:** Installing a learner management system, standard Microsoft operating system
- **Learning Software:** Instal content approved by the Kenya Institute of Curriculum Development (KICD) a government institution, digital books as well as other non-curricular materials. Additional learning content will be added as time goes by to address identified gaps.
- **Teacher Training:** Train five (5) teachers over a period of five days on computer literacy and content delivery to the learners as well as integrating the ICT into the school curriculum [CFSK Teacher Training Schedule.pdf](#)
- **Technical Support and Maintenance:** There will be quarterly preventive hardware maintenance and continuous resolution of issues raised by teachers.
- **Monitoring & Evaluation:** Continuous M&E will be provided to ensure objectives of the projects are met and gaps addressed as we move along
- **Mentorship:** We shall continuously provide mentorship to the students, teachers and parents as well as organize for interschool partnerships and international collaboration through the developed computer platform.

## 5.0 Project Outcome & Impact:

### 5.1 Projected Outcomes at Conception of the Project

- Enhancing learning in primary schools, the computer lab will improve the students' learning capacity through use of technology to facilitate content delivery and research.
- Train teachers in order to improve their teaching methods as well as their own competency in ICT and research in their subject areas.
- Classrooms will be refurbished to ensure security of the equipment and create a conducive environment for learning.
- Students performance will improve due to the improved learning methods through the use of computers



- Students acquire technical skills and efficiency as they learn to use devices, software and online platforms as well as equipping them with knowledge about online safety, privacy, and security
- Set young people on the path to becoming global digital citizens, able to compete for jobs and to build and lead the digital businesses of the future, at par with their global peers.

## **5.2 Realized Impact of the Project**

Since the launch of the initiative in the year 2022:

- Seven (7) laboratories implemented across Kenya. [DLP - Pictorial Presentation of Past Receipients.pdf](#)
- Thirty-Five (35) teachers trained as part of project implementation.
- Sixty (60) teachers trained through peer tutoring by the teachers trained during the implementation stage.
- Four Thousand Nine Hundred (4,900) Students provided with digital literacy and access to computers.
- Students are now able to visualize geographical and biological phenomena they could only read about.
- Average School Grade Performance has increased by a minimum of ten (10) points for the schools who have undergone the national examination cycle as well as internal school examinations since implementation.

## **6.0 Implementation Methods and Strategies:**

### **6.1 Community Participation**

Through a needs assessment we were able to interact with the beneficiaries; the students and stakeholders: school management, alumni and parents who strongly shared the sentiments that digital labs were crucial to the learning process for the pupils to prepare them for the digital future that awaits them.

The school management, parents and alumni committed to supporting the project through the payment of recurrent costs and providing additional support beyond what is to be provided as part of this project.

## 6.2 Project Sustainability

We plan to ensure sustainability of the project by putting the following measures in place:

- Training of the teachers to be involved in the digital literacy program in the school
- CFSK will provide annual support and maintenance for the hardware and resolve any issues arising.
- Partnering with each school's Alumni network, who have a continuing interest in the school, to continue supporting and supervising the project.
- Sensitizing the parents and the wider community on the importance of digital literacy and encouraging them to support the project when required.
- Training the pupils on the proper handling and utilisation of the gadgets provided to ensure their life is prolonged.
- Enhancing the security of the computer lab.

## 6.3 Project Implementation and Work Plan

Each school implementation is expected to take an average of two months once the project planning and resource mobilization has been finalised.

Below is the proposed work plan detailing the project activities and timelines.

#	Activity	Duration
1	Baseline survey and needs assessment	1 Day
2	Beneficiary and stakeholder sensitisation: Creating awareness among Board of 1 day Management, teachers, students, parents, and the host community on the importance of this project.	1 Day
3	Refurbishment of designated computer room to meet requirements of a computer lab	20 Days
4	Computer room furniture assembly.	5 Days
5	Setting up of the Local Area Network including internet connectivity	5 Days
6	Software installation and testing of computer equipment	3 Days
7	Deployment and set up of all required equipment and furniture to the school	3 Days
8	Teacher training and inclusion of computer lab classes in school time table	5 Days
9	Trial classes and orientation of pupils to the computer lab	5 Days
10	Monitoring and evaluation activities: data collection and reports	5 Days
11	Project handover	1 Day

#### **6.4 Project Monitoring and Evaluation:**

The Rotary Club of Nairobi Langata will monitor the refurbishment and installation of the computer system to ensure all the deliverables are met by the Project manager.

Additionally, the club will evaluate the impact of the project on the beneficiaries on a set M&E schedule

We plan to do this by:

- Ensuring that the school schedules computer training sessions in its lesson timetables.
- Analyzing the students' performance per class on a termly basis.
- Analyzing number of benefiting school-age children Surveys/question
- Analyzing number of teachers receiving training in adult education
- Performance of the schools since project implementation (Avg Grade improvement)

#### **6.5 Funds Management**

All funding for this project shall be spent on the project and as part of our grant management, a bank account will be opened specifically to handle funds from this grant funding and the following will be shared with the donor:

- Bank Statements
- Expenditure Invoices
- Progress Photographs

<b>GLOBAL GRANT 3 - BUDGET BASED ON INDICATIVE QUOTATIONS</b>		
<b>Type</b>	<b>Budget Detail</b>	<b>USD - Total Cost of Five (5) Labs</b>
	<b>Refurbishment</b>	
Operations	Class Room Refurbishment / Painting	36,034.17
	<b>Furniture</b>	
Equipment	65 Double Student Work Stations	17,291.67
Equipment	130 Pupils Computer Chair	1,625.00
Equipment	5 Teachers Desk	750.00
Equipment	5 Teachers Chair	166.67
Equipment	Printer Desk	625.00
Equipment	Whiteboard, duster rail and Notice Boards	750.00
Equipment	5 Projector cages	125.00
	<b>ICT</b>	
Operations	Structured / Electrical / Data Cabling	13,247.92
Equipment	CCTV Cameras	2,829.17
Operations	Alarm System	3,412.50
Equipment	Access Control System	2,704.17
Equipment	UPS	14,299.17
Equipment	Projector/Projector Mount & Screen	5,541.67
Equipment	Wireless Printer	1,791.67
Operations	Internet Connectivity	833.33
Equipment	125 Computers	27,187.50
Operations	Digital Learning Content	7,250.00
Operations	Classroom Management Software	1,812.50
Training	Teacher Training	2,416.67
Signage	Plaque	833.33
Publicity	Project Branding	2,500.00
Publicity	Media / Photography / Videography	4,166.67
Operations	Project Management	5,416.67
M&E	Monitoring and Evaluation	4,958.33
Operations	Student Dignity Packages	1,458.33
	<b>Subtotal</b>	<b>160,027.08</b>
Operations	Contingency 10% of Total Cost	16,003.35
	<b>TOTAL INDICATIVE BUDGETED COST</b>	<b>176,030.43</b>