TECHNOLOGY UPGRADE NEEDS

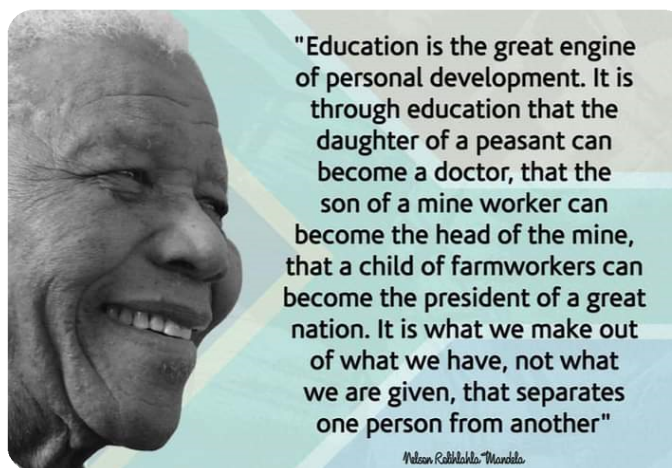| ITEM	QUAN-TITY	UNIT COST (USD)	TOTAL (USD)
Desktop Computers	40	335.00	13,400.00
Computer Desk	40	38.00	1,520.00
Computer Lab Chairs	40	35.00	1,400.00
Internet Connectivity	1	380.00	380.00
Lockers & Chairs	90	55.00	4,950.00
Conference Chairs	200	35.00	7,000.00

DONATIONS

Please make your tax deductible donations to: **Gitare Kenya Outreach Inc.**

P.O. Box 373 Wayland, NY 14572 – 0373

If you wish, specify

Building or **Student Sponsorship,**

on the memo line.

To donate electronically with a credit/debit or Pay Pal,

Please do so through our website:

www.gitarekenyaoutreach.org

"Education is the great engine of personal development. It is through education that the daughter of a peasant can become a doctor, that the son of a mine worker can become the head of the mine, that a child of farmworkers can become the president of a great nation. It is what we make out of what we have, not what we are given, that separates one person from another"

Nelson Rolihlahla Mandela

The Cost of Educating One Student at St. Josephine Bakhita Secondary School is approximately KSh. 37,000 (USD 370) Per Year

ST. JOSEPHINE BAKHITA SECONDARY SCHOOL (GITARE)

To Impart Values and Skills For Life

Determination for Excellence

TECHNOLOGY IN EDUCATION - CHALLENGES AND BENEFITS

TECHNOLOGY IN RURAL KENYA

Rural areas in Kenya face a number of unique development challenges that affect the use of Digital Technologies. The Kenya Economic Update by the World Bank notes that while 44% of the urban population have access to the internet, only 17% of people in the rural areas have access to the same. The digital divide between urban and rural schools challenges efforts to promote technology integration in education, and contributes to growing educational inequality in many contexts. Technology-assisted learning has been promoted as an innovative education practice for more than a century because it has the potential to enhance teaching and student's learning experience, which ultimately leads to better student learning achievement.

CHALLENGES

1. **Infrastructure:** Infrastructure remains one of the greatest challenges in rural Kenya. From innovation hubs, learning institutions, internet services, mobile networks, and access to grid power, people in rural areas have less access than residents in urban areas.

2. **Digital Literacy:** One of the greatest barriers to internet penetration in Kenya is digital literacy. The 2019 Kenya Population and Housing Census estimates that there are around 10 million internet users in Kenya. In a population of 47.6 million people, that translates into an internet usage rate of 20-25 percent.

3. **Income Levels:** While poverty is a major problem in the whole of Kenya, rural areas suffer disproportionately. This explains why demand for many services is lower in rural areas than urban areas as people do not have as much disposable income.

4. **Staffing:** Rural schools have a difficult time recruiting and retaining staff especially those in technology field.

BENEFITS

The advantages of using technology in education are multifaceted. It is a blessing for everyone in the sector, from education providers and schools to students.

1. **Faster Access to Information:** Technology provides students with an ocean of information at their fingertips. They can access the information in the quickest possible time.

2. **Wider Variety of Learning Materials:** Students can access a huge variety of learning materials on the internet.

3. **Increases the Scope for Distance Learning:** Online classes is a reality with the power of the internet.

4. **Eases Teaching Methods:** The teachers can tutor the students from distance or communicate easily outside the classroom.

5. **Improves Learner's Communication Skills In Schools:** Learners in higher grades develop better abilities to communicate with various technological tools and virtual courses.

6. **Makes Studying Enjoyable:** Education is not a pleasant experience for all students. But, with technology, it is now an enjoyable experience for all.

7. **Allow Students To Enhance Their Mental Wellbeing:** Various digital tools ease the tedious learning courses and make them interesting.

8. **Makes Teaching Easier and More Productive:** The different uses of technology, such as audio-visual presentations and virtual classrooms help teachers to improve their delivery of instructions.

CBC AND TECHNOLOGY

Schools in Kenya are expected to incorporate digital literacy into the New Education System, that is, The Competency-Based Curriculum (CBC). To prepare students for real-world circumstances, the Competency-Based Curriculum places a strong emphasis on the development of knowledge, skills, and attitudes, including Digital Literacy.

One of the Seven Core Competencies of The Competency-Based Curriculum is **Digital Literacy**. Digital literacy is measured by learner's ability to safely and cleverly use hardware and software technology to access information. In a world where Tech becomes quickly obsolete, learners who are prepared for change adapt quicker.