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ICT FOR EDUCATION KENYA

Hon. Amb. Prof. Sam Ongeri
Minister of Education, Kenya

HARAMBEE

MINISTRY OF EDUCATION

ICT integration in Education: Kenyan Experience

Overview

➢ A bird's eye on Kenyan education sector

➢Policy grounding for ICT Integration in Education

➢ICT for Education (ICT4E) Initiatives

➢The immediate outcomes

➢The opportunities for partnership and investment

Kenyan Education Sector

- Primary Schools - 20,000
- Secondary Schools - 7,000
- Teacher Training colleges - 20
- Teachers - 258,019 (trained at different levels with very little or no orientation in ICT integration in Education)

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Policies on ICT Integration in Education

4 policy documents that guide the Implementation of the ICT use in the Education sector:

- The Sessional Paper 1 ,2005, A policy framework for Education and training

- The National ICT Policy, 2006 (MOIC)

- The ICT Strategy for Education and Training, 2006

- The Kenya Vision 2030 – A blue print for Kenya's development by 2030.
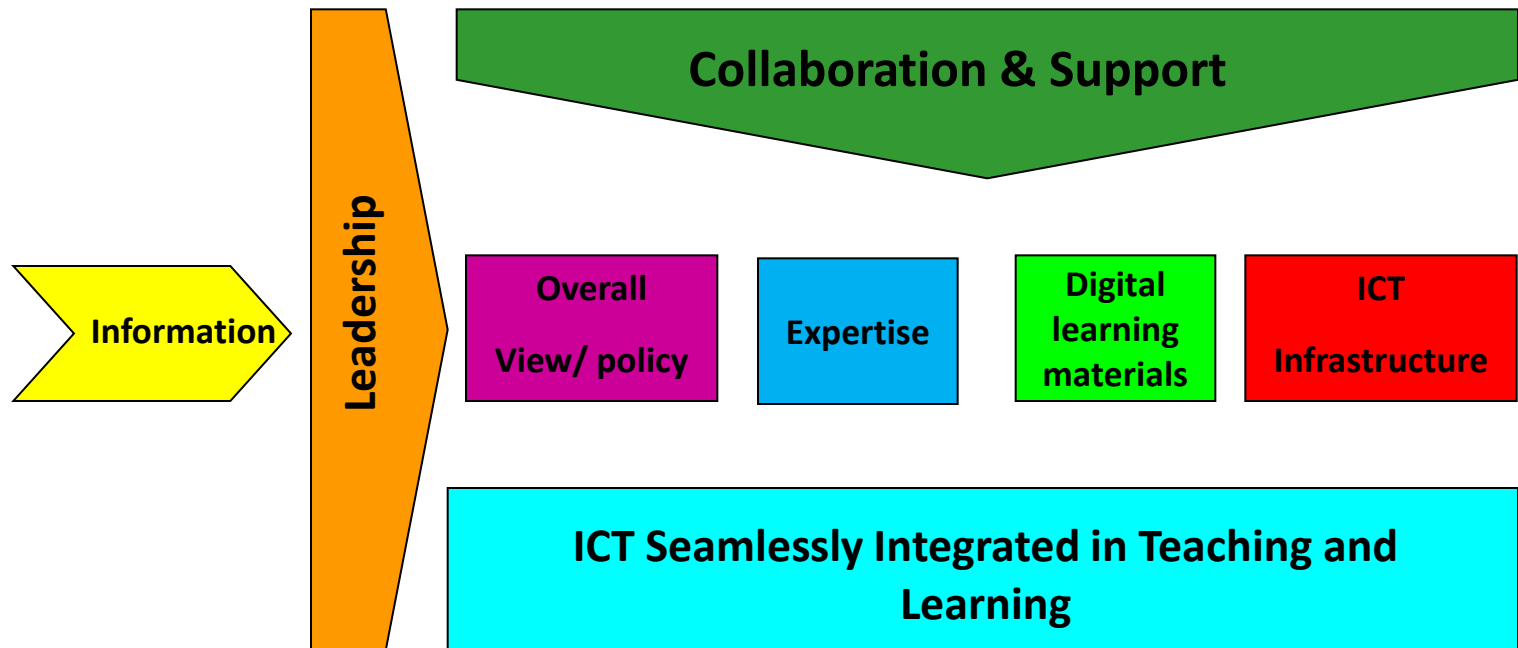
- KESSP II – ICT is one of the investment programmes

Policies on ICT Integration in Education

Under Kenya Vision 2030, MOE has been Mandated to drive a flagship project which aims at advancing science, technology and innovation.

MOE ICT4E Model

- **MOE Vision** – to provide Quality Education for Development.

- **Leadership** – Success in integration of ICTs in education is dependent on support of education managers.

- **Critical pillars** – **Policy; Expertise** (professional development); **Digital materials**; and **Infrastructure**

- **Collaboration and support** – To meet the demands of ICT integration in education, partnership and collaboration is critical.

ICT for Education (ICT4E) Initiatives

- Nepad e-schools 5 schools (Little or no impact)

- 2009 ongoing - KIE Digitization of Content (content being used in the ESP project)

- 2010-2012 - 1470 schools under ESP computer Project

- 2010 - National ICT innovation and Integration Centre (Ni3C)

- School software Agreements e.g. Microsoft software or any other software provider

Sharing Experiences: ESP Computer Project

2009 -2012 - **1470 schools under ESP computer Project** facilitated to integrate ICT in teaching and learning.

Package:

- Computers and printers
- Projector
- Local Area Network (LAN)
- Internet for one year
- Capacity building for teachers and principals (over 10,000 teachers trained on basic ICT skills)
- Digital content
- ICT Champions programme

National ICT innovation and Integration Centre (NI3C)

- Show-casing and testing new technological solutions to be deployed to schools (www.ni3c.net)
- Hosts the National Teachers portal (www.elimuportal.net)
- Hosts the National Helpdesk to offer support to schools.
- Teacher professional Development

NATIONAL
ICT INNOVATION AND INTEGRATION
CENTRE

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HON. PROF. SAM K. ONGERI, EGH, M.P.
MINISTER OF EDUCATION
ON
10 AUGUST 2011

Digitization of the Curriculum

- Std 4-8 content digitized and guidelines developed for publishers
- Form 1&2 content digitized and other classes ongoing.
- Elimika Programme – a Learning management system for online orientation of teachers on new curriculum issues.
- Digital Tv channel to broadcast learning objects to schools (limited due to analog broadcast)

School Software Agreement

Under these agreements the schools acquire latest software which are highly subsidized hence reduced cost of ICT infrastructure.

Immediate Outcomes

- 1,470 schools have been equipped with ICT infrastructure under ESP computer supply project.

- Over 10,000 teachers have been trained on integration of ICTs in teaching and learning.

- 1,470 principals to be trained on use of ICTs for education Management.

- 1,470 schools supplied with Form 1&2 digital content

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Immediate Outcomes

- ICT integration training manual has been developed

- National ICT Innovation and Integration Centre launched and is operational(www.ni3c.net)

- National education portal developed and operationalized (www.elimuportal.net)

- National Teacher orientation programme (KIE) www.elimika.ac.ke

Opportunities for investment and collaboration

➤ ICT infrastructure development and deployment to cover the large numbers of academic institutions.

➤ Teachers training solutions on ICT integration in Education.

➤ EMIS development and deployment – Issues of Bandwidth

➤ Digitization of curriculum content

Thank you for your attention

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