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AfricanBrains
The Home of Intelligent Networking

Under the Patronage of
Zimbabwe Ministry of
Education, Sport, Arts & Culture

The Southern African ICT for Education Summit 2012

26-27 January, Victoria Falls

TECHNOLOGY FOR IMPROVING EDUCATION

Mr Thierry Boulanger
IT Solutions Director
Samsung Africa

SAMSUNG

The Southern African ICT for Education Summit 2012

26-27 January 2012, Elephant Hills Resort, Victoria Falls, Zimbabwe

Impact of ICTs and Innovation in Education

Thierry Boulanger - IT Solutions Director
Samsung Africa

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Challenges

Youth Empowerment

High levels of youth unemployment have several negative effects – emigration of talented graduates, high crime, creating conditions for ethnic tension and violent conflict, etc
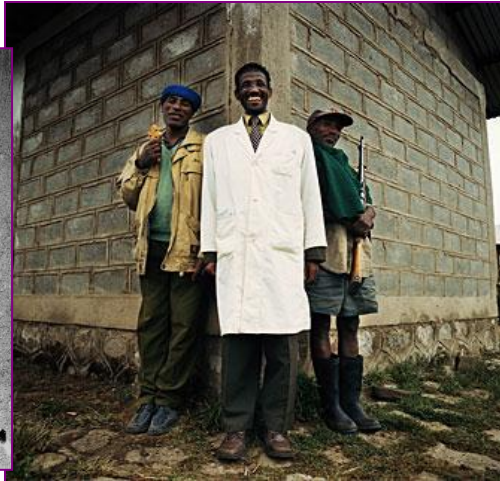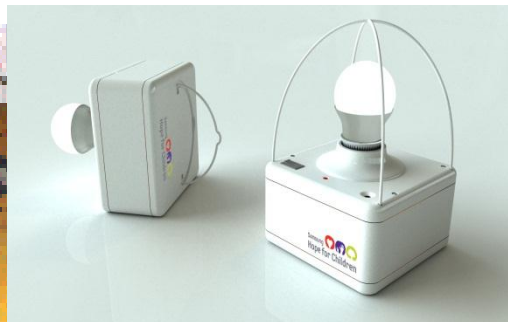
Transforming Education

Investment in education is felt to be 'wasted' if young people cannot apply their education to gaining a livelihood
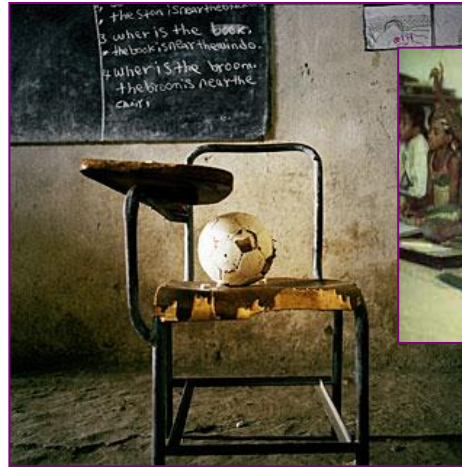
Community Technology Access & Skills Program

Creating access to Enabling Infrastructure/ Technology at the bottom of the pyramid

Our Approach

Supply improvement & Demand Stimulation

International Markets

- Electronics Industry
- Call centres
- Business Process Outsourcing

National Markets

- New technology to enhance existing and emerging industries
- Opportunities presented by Tech developments and innovation

Demand- stimulation

Supply-improvement

Growing Markets

Job Creation

Built for Africa- People & Technology

Supportive Community Based Organizations

Greater Investment

Skills enhancement

Better Government & Enabling Environment

Samsung seeks to contribute to each of these 4 critical elements for sustainable socio-economic growth *through* our core competencies.
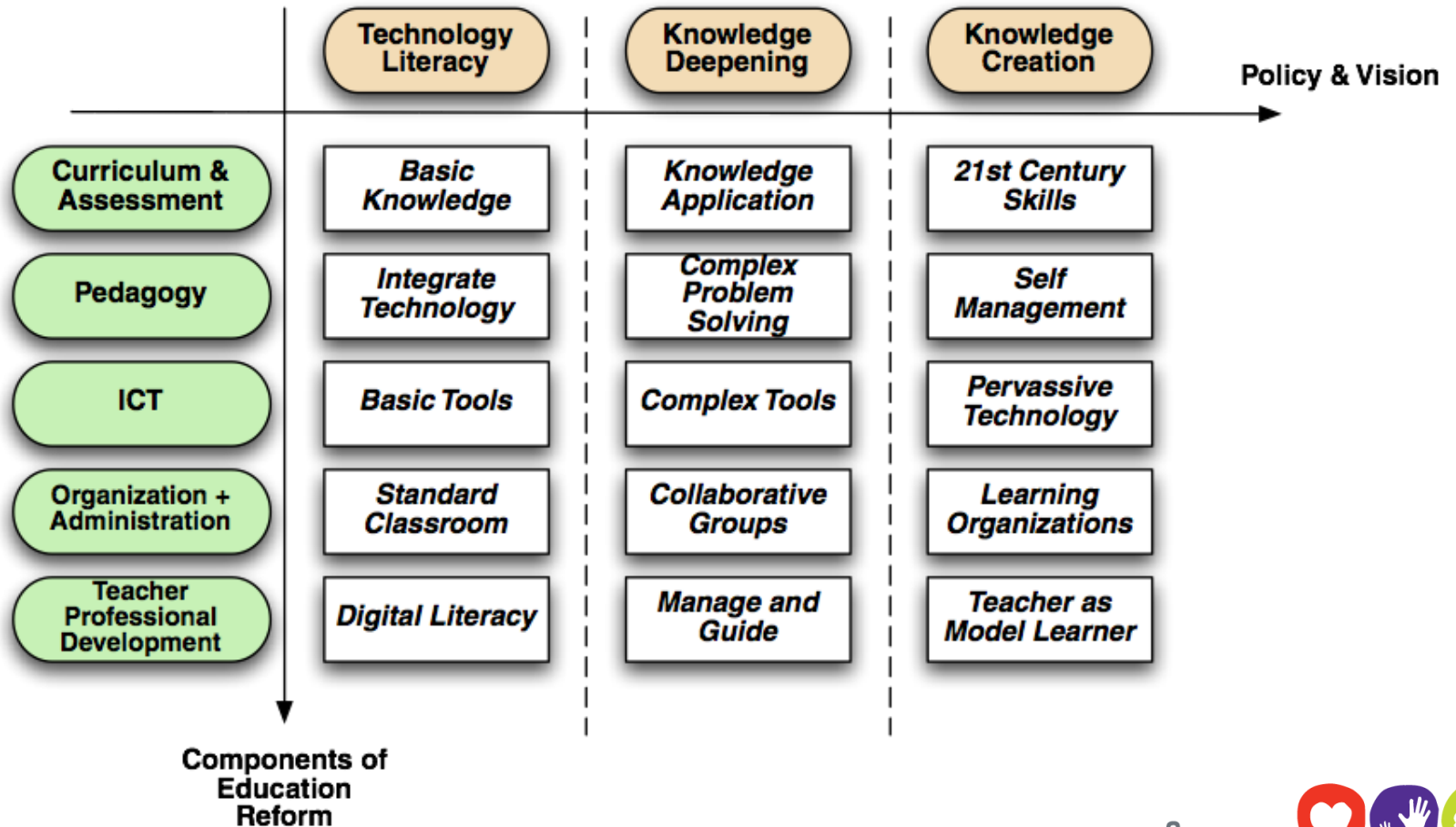
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Guiding Principles

- **Sustainability –** we will seek to create enduring value for Samsung and Africa, leaving a legacy
- **Focus on People** – enhancing human capital which will in turn enhance sustainability
- Seek out "**Ground-up**" interventions, whilst working with Governments and policy makers
- **Co-create** with other players and partners to maximise resonance and impact, avoiding unnecessary duplication
- **Leverage –** building on what already exists & catalysing activity elsewhere
- **Execute** in our response to demonstrate the credibility of our commitment
- Deliver **audience-relevant** benefits that are**:**
    - Tangible, Scalable, Achievable, Measurable, Visible
- **Integrate** Plan for Africa into the Samsung system to ensure the greatest possible impact
- Create **Africa-centric** responses – to ensure solutions will be well received by the African community
- Globally relevant and **locally effective** approach to program planning and execution

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Education Context and Drivers

UNESCO Competency Standards ICT-CST: the Framework

	Technology Literacy	Knowledge Deepening	Knowledge Creation
Curriculum & Assessment	Basic Knowledge	Knowledge Application	21st Century Skills
Pedagogy	Integrate Technology	Complex Problem Solving	Self Management
ICT	Basic Tools	Complex Tools	Pervassive Technology
Organization + Administration	Standard Classroom	Collaborative Groups	Learning Organizations
Teacher Professional Development	Digital Literacy	Manage and Guide	Teacher as Model Learner

Policy & Vision

Components of Education Reform

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Modernised Schooling Technology Roadmap

	FOUNDATION		OPTIMISED		MODERNISED	
	Outcome	**Tech Enablers**	**Outcome**	**Tech Enablers**	**Outcome**	**Tech Enablers**
learner experience	Basic computer literacy	Appropriate facilities. Shared access to PCs	Better learning	Internet LAN E-content on server	Learners with 21st Century skills	Personal learning devices 24x7 learning opportunities Applications and tools
Teacher experience	Increased quality of lesson resources	Printer Projector	More impactful teaching	Authoring and productivity tools	Deliver personalised learning	Spectrum of e-resource SIS Comms
Connected Learning Community	Community access to ICT	Shared access to PCs	Communication across community	E-mail Web	Increased stakeholder involvement in learning	Learning Gateway
Admin and management	More efficient administration	1 admin PC per school and PCs in regional admin offices	Improved flow of information	Database and portal technology	Better management of resources	Business Intelligence

Engineering Academy
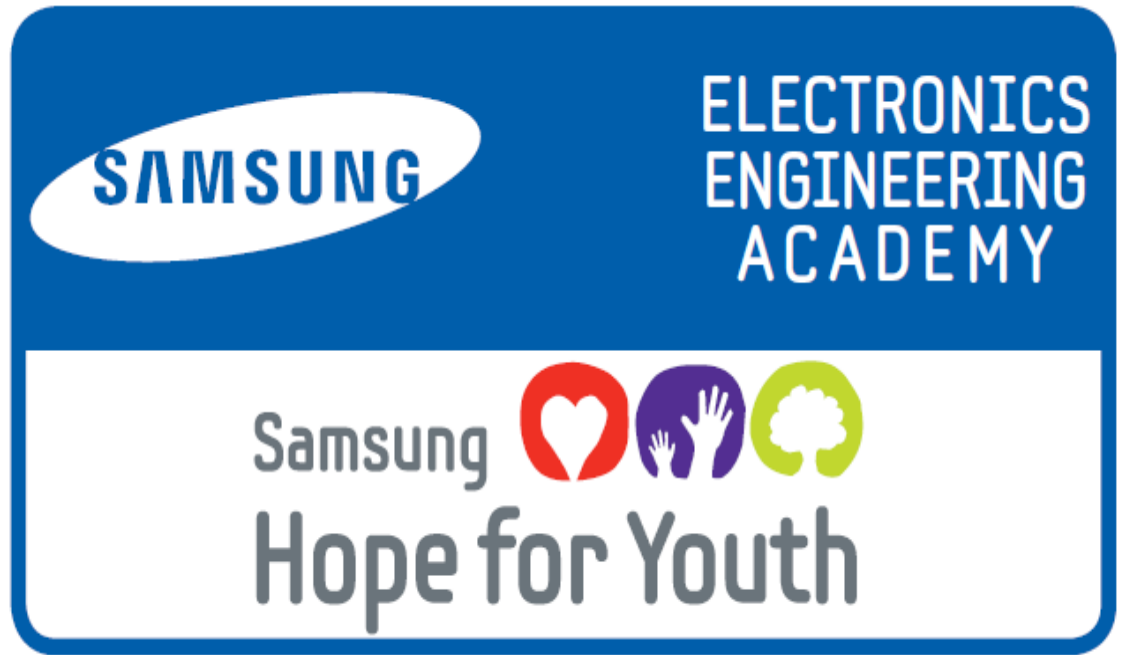
Solar Powered Internet School (SPIS)

Samsung Blue Education program
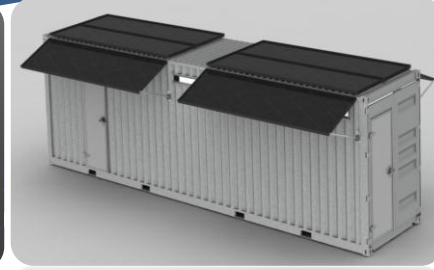
Engineering Academy

- 10000 Electronics Engineers by 2015
- Roll-out in 5 countries
- Industry-aligned training for youth
- Provide skilled workforce to SVC & Partners
- After-sale service, customer service index - (Turn Around Time & Repeated Repair Ratio)

Solar-powered Internet Schools

- Reach 2.5 mil learners by 2015- on track
- Pilot program roll out in SA, Kenya and Nigeria
- "Show-case of solar powered IT products for the future electronics technology
- Part of the Internet schools program- infrastructure rollout and teacher development
- Education B2B opportunity- NotePCs, Printers, E-boards

Mobile Apps and education content

- Work with Content developers in key countries
- B2B education solutions, e.g. content on Tab, E-boards
- Product differentiation- Smart phones & Tabs
- Africa customization- Built for Africa
- Partner online edu content providers- e.g. Learnthings

Thank You