



INTEL FOSTERING THE NEXT GENERATION OF INNOVATORS FOR AFRICA Intel's solution for technology in Education

To be competitive in the global economy, nations in Africa must prepare today's students to thrive in tomorrow's workforce. Today's globalized economy requires economies that foster pools of well-educated workers who are able to adapt quickly to the rapidly changing environments. Education experts have identified the skills needed to succeed in an increasingly knowledge-based society. Skills like technology literacy, communication, critical thinking, and collaboration – commonly referred to as 21st century skills – are the foundation for knowledge creation and the springboard for future innovators who will create economic growth for Africa in the future.

Technology in the classroom is key to imparting these skills, and 1:1 e-learning – where every student is equipped with a computer – is the ideal environment. But using technology to improve education requires more than just putting PCs in the classroom. Students need to be engaged, teachers need technology that easily integrates into their existing curriculum, and training on how to use it. Schools need products and content that are locally appropriate, easily deployed, and simple to maintain. As well as these governments need cost-effective, comprehensive solutions that help them effectively manage a transition to 1:1 education.

Intel Corporation ('Intel'), the world leader in silicon innovation and processor technologies, believes that students everywhere deserve the skills necessary to succeed in a knowledge-based economy, that's why Intel provides a holistic blend of technologies, programmes, and professional development resources for teachers, which can empower countries around the world. With improved teaching and learning environments, students are better able to develop the required skills. As a solution to this challenge, Intel has developed the Intel Learning Series, a research based education solution to implement 1:1 e-learning for students ages 5-12. It is a package of hardware, software, services, and support delivered by local vendors to meet local needs – designed to work reliably together.

The Intel Learning Series, which grew out of decades of experience with Intel education programmes and collaboration with education experts around the world, includes:

- Intel-powered classmate PCs, based on Intel reference designs and manufactured by local OEMs
- Specialized education software
- Localized content



- Infrastructure – connectivity and other IT services
- Deployment
- Training
- Maintenance and support services

Intel is one of the main sponsors of the forthcoming annually held event - e-Learning Conference - which will be hosted by Zambia at the Mulungushi Conference Centre from the 26th to 28th May 2010. Shelly Esque, the vice-president, legal and corporate affairs group at Intel Corporation, will be in Lusaka this week to attend the e-Learning conference as well as explore the reality of the education landscape in Zambia in order to bring solutions that are ideally suited for the environment. She will also be meeting with Government officials and signing a Memorandum of Understanding (MoU) to commit Intel to bringing these education solutions to Zambia. Zambia will also be hosting the official launch of the rugged convertible classmate personal computer which is purposely built with young learners in mind.

According to Esque the future employers of Africa's growing population will come from students that possess 21st century skills. "Ultimately technology based education will create innovators and entrepreneurs that will develop employment streams we have not even begun to imagine as yet, just as Google and Facebook did not exist just a few years ago," she says. "The future and sustainability of a still growing and developing African continent lies in priming this next generation to take advantage of the technology evolution to leapfrog Africa's success."

For technology in the classroom to be successful teachers also need to be able to take full advantage of using it as a teaching tool. As part of the Intel Learning Series solution, training is provided to help teachers learn to use the technology and take full advantage of all the Learning Series has to offer. Training offerings include technical and leadership training as well as learning materials amongst others.

For the students Intel will introduce an Intel-powered classmate PC device which has been purpose built to be child friendly and rugged, ideal to work and move the way kids do. The PC will have localised content as well as web-filtered Internet access to engage students and keep them motivated. Studies show that technology in the classroom can result in improved attendance, higher test scores, and better graduation rates. By using the Intel Learning Series together with the Classmate PC, teachers will have new resources to enhance their lessons through access to the Internet, multimedia, and localised digital content to integrate into their existing curriculum.



The introduction of the Intel Learning Series in Zambia presents several cost efficient investments for the country in the future. These include:

- a complete solution that effectively supports the transition to 1:1 e-learning
- a collaborative solution engaging Zambian stakeholders, benefiting from Intel's best practices and a worldwide network of education experts
- uncomplicated implementation with end-to-end support from design to deployment to ongoing maintenance
- products and services, though built from Intel reference designs, are manufactured and distributed by local OEMs using locally relevant and sourced material, thereby promoting local empowerment and new jobs
- a positive impact on both the Zambian education sector and economy by preparing students for future success, stimulating local development, and building a skilled workforce that strengthens national competitiveness

"Intel's holistic approach towards ICT in the classroom is an important step towards steering the country to develop sustainability in the global economy and as Intel we are excited to play a role in this journey," says Esque.

About Intel

Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Additional information about Intel is available at www.intel.com/pressroom and blogs.intel.com.