



## African Digital Schools Initiative (ADSI) Kenya, Tanzania and Côte D'Ivoire

### Backdrop

In implementing its **Vision 2030** for social, cultural and economic development, Kenya has focused on growing its stature as East Africa's technology hub.

Tanzania's **Vision 2025** highlights good governance and the building of a resilient economy which can compete internationally and is technology-driven.

Côte d'Ivoire, in its **National Development Plan**, emphasises the need for reforms in its national education and vocations training sectors. The growth in the digital sector with rapid mobile penetration results from the ongoing upgrade of its network infrastructure.

Youth in these three countries must acquire the skills to actively contribute to national growth through ICT- enhanced education, training skills and enterprise development.

### What is required now at Secondary Education level?

The Governments of Kenya, Tanzania and Côte D'Ivoire recognize the potential for the use of ICT to improve the quality of education, training and research.

There is critical need to focus on building student competencies in:

- Science, Technology, English and Mathematics (STEM)
- Skills to innovate, create and work in teams
- Skills for higher order thinking, analysis and synthesis
- Developing an entrepreneurial mentality to exploit the business and self- employment opportunities that the digital world already presents

### A new concept – the Digital School of Distinction

The African Digital Schools Initiative (ADSI) is a totally new methodology to turn secondary schools into digital schools of distinction. It is designed specifically to build secondary - level student 21<sup>st</sup> century skills and teachers' innovative practice in a way that is responsive to the needs of the market place and to the emerging knowledge economies and societies.

### What is the ADSI approach?

The ADSI model is a phased approach for digital whole school and teacher development in ICT use to incrementally move schools and teachers towards transformative educational practice and quality student learning outcomes. The blended learning model of school-based and online professional development is furthermore a cost-effective and sustainable model for educational transformation.

## Outcomes of the ADSI Programme (2016-2020) in Kenya, Tanzania and Côte D'Ivoire

<p><b>Kenya</b></p> <p>80 school heads trained</p> <p>20 school support teams</p> <p>800 STEM teachers</p> <p>OUTREACH OF UP TO 40,000 STEM STUDENTS</p>	<p><b>Tanzania</b></p> <p>40 school heads trained</p> <p>10 school support teams</p> <p>400 STEM teachers</p> <p>OUTREACH OF UP TO 20,000 STEM STUDENTS</p>	<p><b>Côte D'Ivoire</b></p> <p>20 school heads trained</p> <p>5 school support teams</p> <p>200 STEM teachers</p> <p>OUTREACH OF UP TO 10,000 STEM STUDENTS</p>
<p><b>STEM Teacher ICT Development</b></p> <p>3 cycles of blended learning to support teacher professional learning pathways - from</p> <ul style="list-style-type: none"> <li>• 'technology literacy' to</li> <li>• 'knowledge deepening' to</li> <li>• 'knowledge creation' integration of ICT</li> </ul>	<p><b>School-wide Teacher ICT Development</b></p> <p>9 core and enrichment modules for STEM teachers</p> <p>9 core and enrichment modules for teachers of other subjects</p>	<p><b>Digital Schools Development</b></p> <p>3 cycles of blended learning with school strategy and planning toolkits to support digital school pathways from</p> <ul style="list-style-type: none"> <li>• 'e-enabling' to</li> <li>• 'e-mature' to</li> <li>• 'e-confident' integration of ICT</li> </ul>
<p><b>General Outreach Across 3 Countries</b></p> <p>140 school heads trained</p> <p>35 school support teams</p> <p>1400 STEM teachers trained</p> <p>Outreach of up to 70,000 STEM students</p>		<p><b>Additional Outreach Across 3 Countries</b></p> <p>140 Schools Boards and PTAs</p> <p>2800 teachers of other subjects</p> <p>Outreach of up to 140,000 students of other subjects</p>

GESCI in partnership with THE MASTERCARD FOUNDATION and the Ministry of Education, Science and Technology-KENYA, the Ministry of Education and Vocational Training -TANZANIA and the Ministry of National Education (MENET)-Côte D'Ivoire wish to embark on the *African Digital Schools Initiative (ADSI)* initiative in 2016-2020. This is a comprehensive programme to implement a dynamic, effective, sustainable and replicable model of digital whole-school development in secondary schools that will lead to improved student 21<sup>st</sup> century skills development, learning outcomes and readiness for the knowledge economy workplace.

The Global E-Schools and Communities initiative (GESCI), founded by the UN, has worked since its inception in 2004 to provide capacity building, technical and strategic support to countries seeking to harness the potential of ICTs in order to increase access to, and to improve the quality and effectiveness of education.

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