Digital Literacy Programme

The Impact of ICT in Teachers' Pedagogical Practices: Lessons from Kenya Digital Literacy Programme
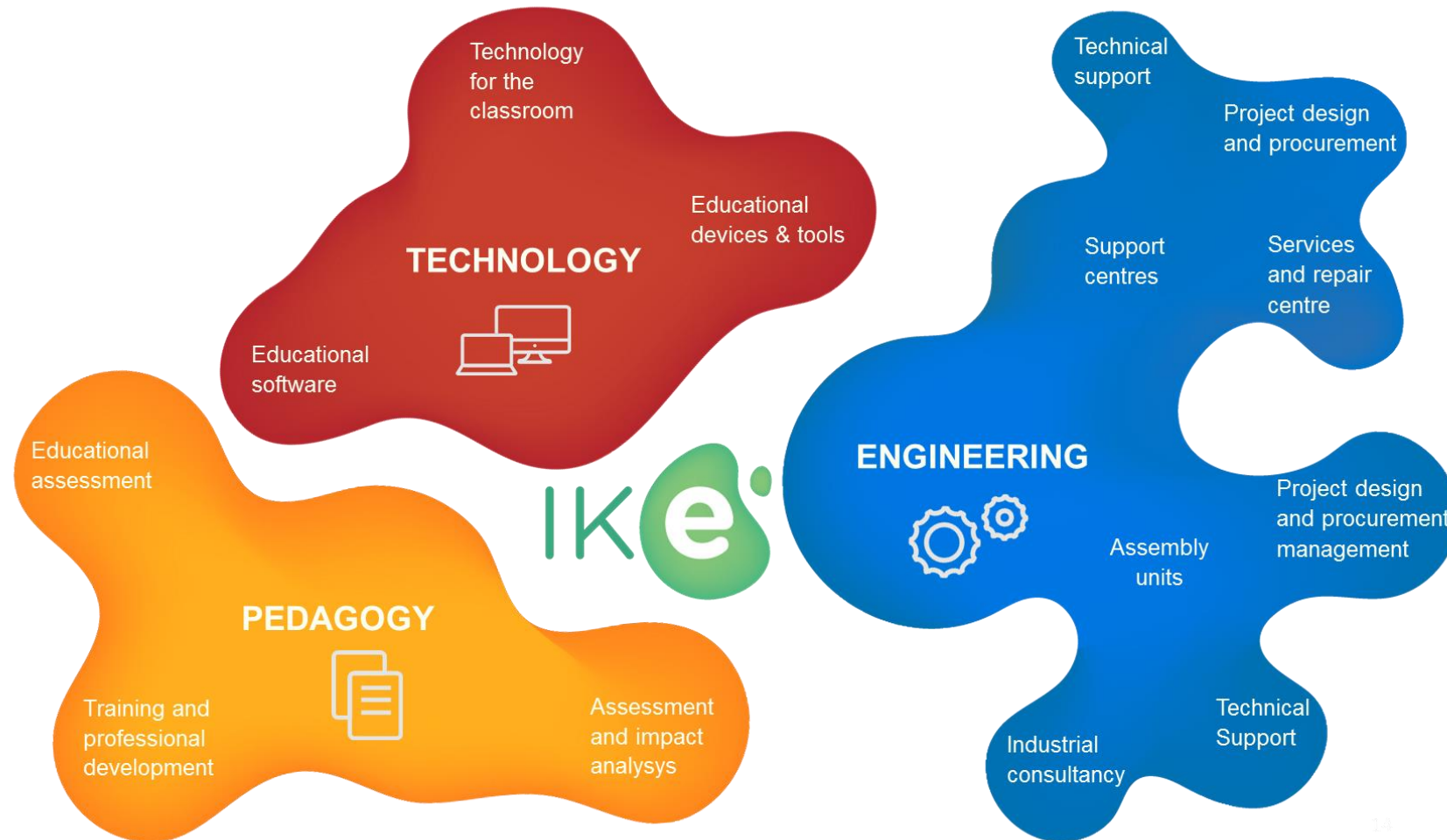
Ana Paulino
Pedagogy Expert

&

André Pinto
Regional Business Manager

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inspiring knowledge

Inspiring Knowledge Ecossystem

Technology for the classroom

Educational devices & tools

TECHNOLOGY

Educational software

Technical support

Project design and procurement

Support centres

Services and repair centre

ENGINEERING

Educational assessment

PEDAGOGY

Training and professional development

Assessment and impact analysys

Assembly units

Project design and procurement management

Industrial consultancy

Technical Support

Knowledge transfer approach relating Technology, Pedagogy and Engineering as part of an educational project with a long-term impact

From Portugal to the World

+ 15M Teacher & Student devices

+ 300K Teachers capacitated

+ 20 Large-scale projects
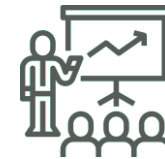
+ 70 Countries

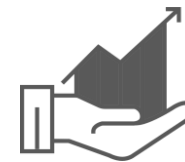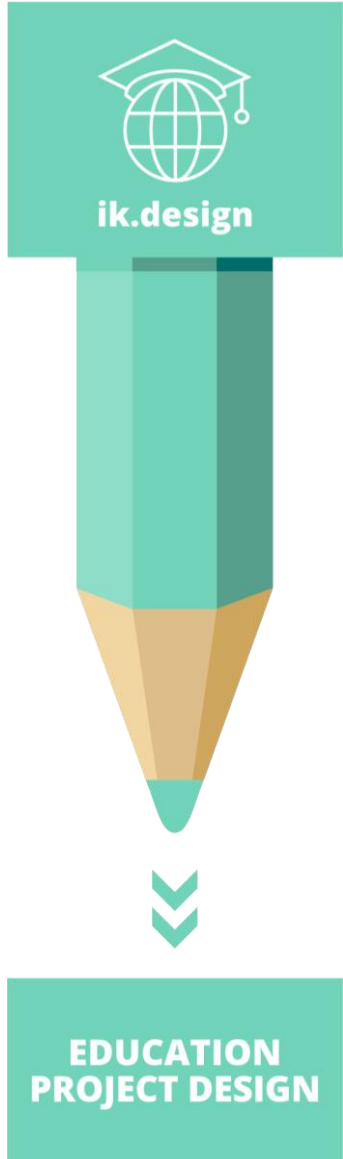## We are leading Education Transformation

Kenya DLP Project

Digischool Access to learning

MOI UNIVERSITY

jp.ik inspiring knowledge

720 000 student devices

14 000 schools

25 000 teachers trained

impact assessment

DESIGNING and PLANNING for a MEANINGFUL EDUCATION PROJECT

… entwining education priorities, **pedagogical strategies** and **technological resources** to reach effective changes in learning environments and pedagogical practices

Aligning for Project Design with Local Authorities

Setting Goals, Strategies and Tools

Planning Implementation – Setting Operational Rollout

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PROFESSIONAL DEVELOPMENT

EMPOWERING LOCAL EDUCATION CHANGEMAKERS

... targeting **different-layer stakeholders** and **preparing them for the specific roles they will play** in a pedagogy-driven edtech project
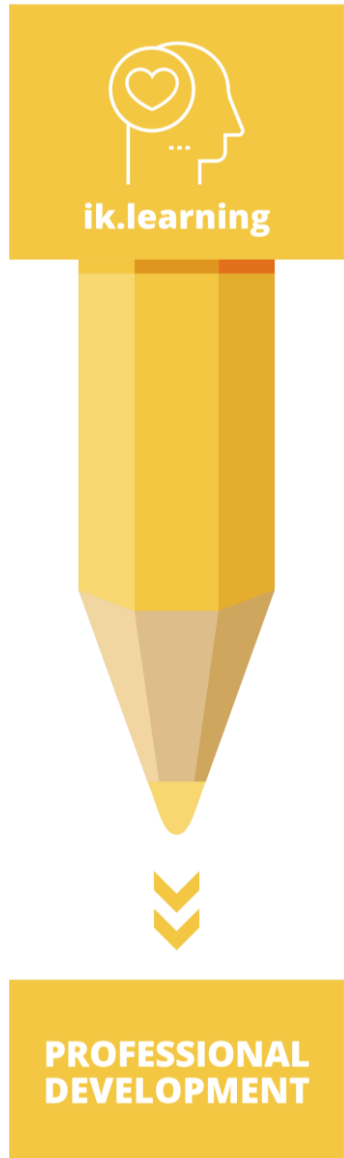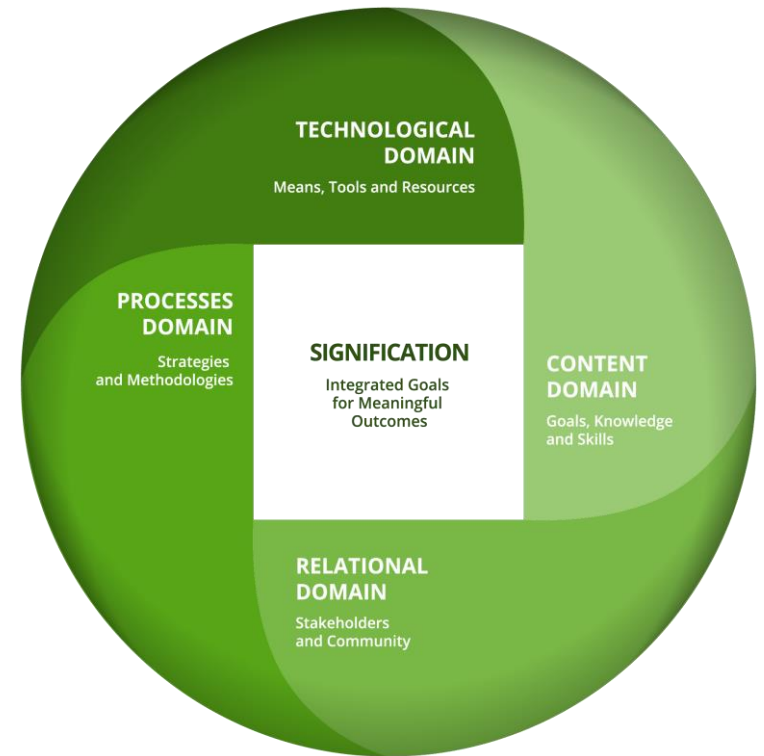
10 Mentors

100 Master Trainers

25000 Educators – School Champions & Teachers

EMPOWERING LOCAL EDUCATION CHANGEMAKERS

... sustained by a shared understanding of how learning occurs, how it can be planned and facilitated.

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PROFESSIONAL DEVELOPMENT

Training

Mentoring

Shadowing

Monitoring & Supervision

TECHNOLOGICAL DOMAIN
Means, Tools and Resources

PROCESSES DOMAIN
Strategies and Methodologies

SIGNIFICATION
Integrated Goals for Meaningful Outcomes

CONTENT DOMAIN
Goals, Knowledge and Skills

RELATIONAL DOMAIN
Stakeholders and Community

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EVALUATE to BE AWARE of WHAT'S GOING ON

… reviewing the plan's effectiveness in addressing the problems identified and **bringing the desired outcomes**.

IMPACT ASSESSMENT

Hill School, Eldoret
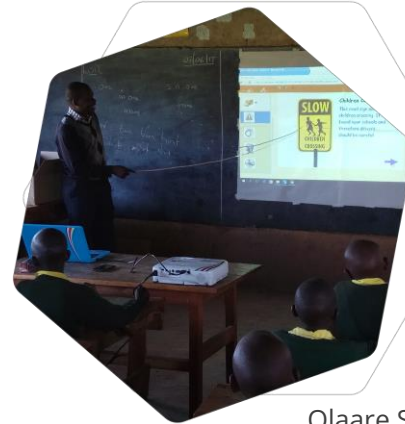
Olaare School, Eldoret

St. Johns Mahiakalo, Kakamega

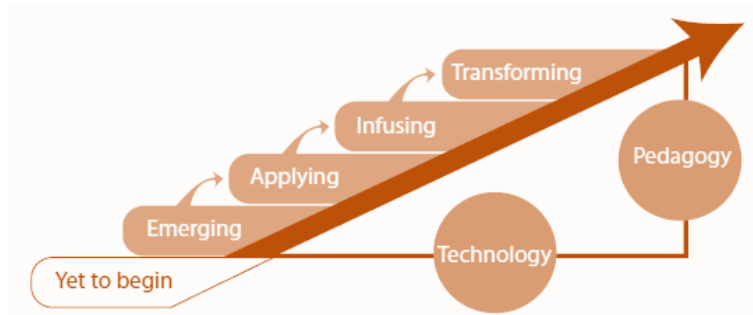Kongowea School, Mombasa

Kwashee School, Mombasa

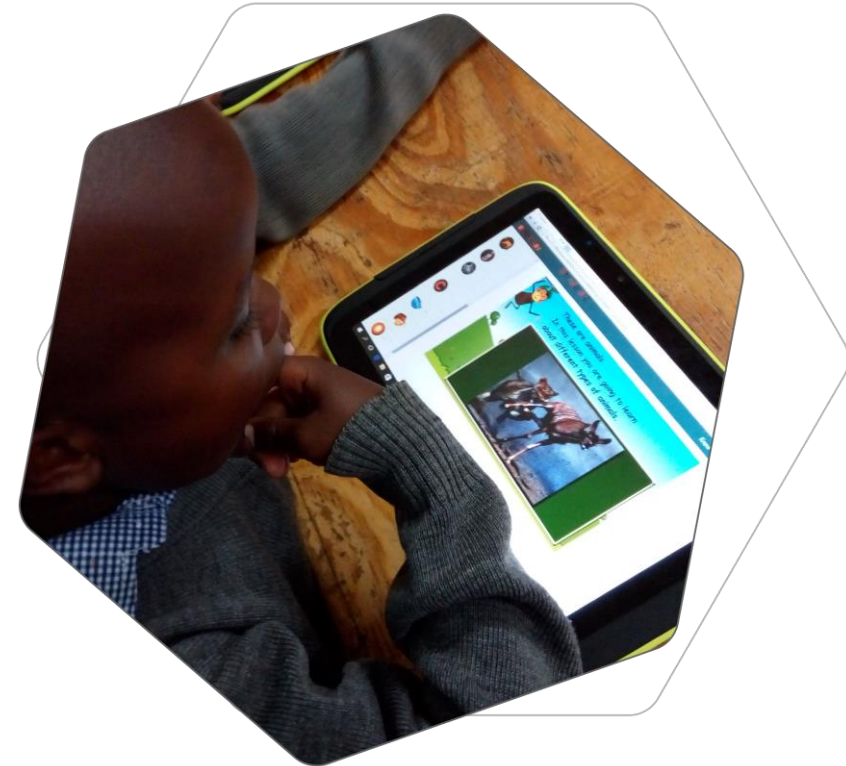Sparki School, Mombasa

Pedagogical Practices Transformation

How are teachers managing and integrating technological resources in learning activities?

| Engagement in **digital proficiency** development

| **Transitional movements** towards higher levels of **ICT Pedagogical Integration**

UNESCO ICT-CFT – Stages of ICT Integration in Pedagogical Practices

| Taking pedagogical advantage of the resources

– **KICD Content** and **Classroom Management Tools**

"It doesn't bring additional work compared to the past practices (…) the work for the teachers has effectively reduced…"

Ms. Esther, Teacher at Sparki Primary School, Mombasa

Pedagogical Practices Transformation

What is being targeted and which is the learning approach in this ICT pedagogical integration?

| Targeting **digital literacy** and **other generative competencies** in a **curriculum infusion approach**

| ICT use for **content consumption-exploration** and **application-practice-integration**

| **Learning-focused approaches**

– creating conditions for **pupils** to **learn by themselves**

– reinforcing **knowledge transfer** and **real-world connections**

– boosting **active citizenship, community empowerment** and **wider future time perspectives**

"It is an opportunity to explore and innovate (...) new tools for teaching and learning (...) students have access to things they wouldn't have other way..."

Mr. Mosonik, Teacher at the Olaare Primary School, Eldoret

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Pedagogical Practices Transformation

How are the interactions in the learning environment being considered and affected?

| **New learning configurations**

  – balance between **individual and collaborative learning**

| **New students' roles**

  – **active agents** in cooperative learning

  – **engagement in learning projects**

| **New teachers' roles**

  – **learning facilitators**

  – active gents in local **Communities of Practice**, reinforcing **Teachers' Career and Professionality**

"Children are motivated (...) they are very excited, they want to manipulate the gadgets every time they come to school, so absenteeism has actually reduced".

Mr. Issa, School Director at Kwashee Primary School, Mombasa

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