Rethinking Digital Transformation In The Central Region – The 4*6 Approach

DIGITAL TRANSFORMATION STAGES
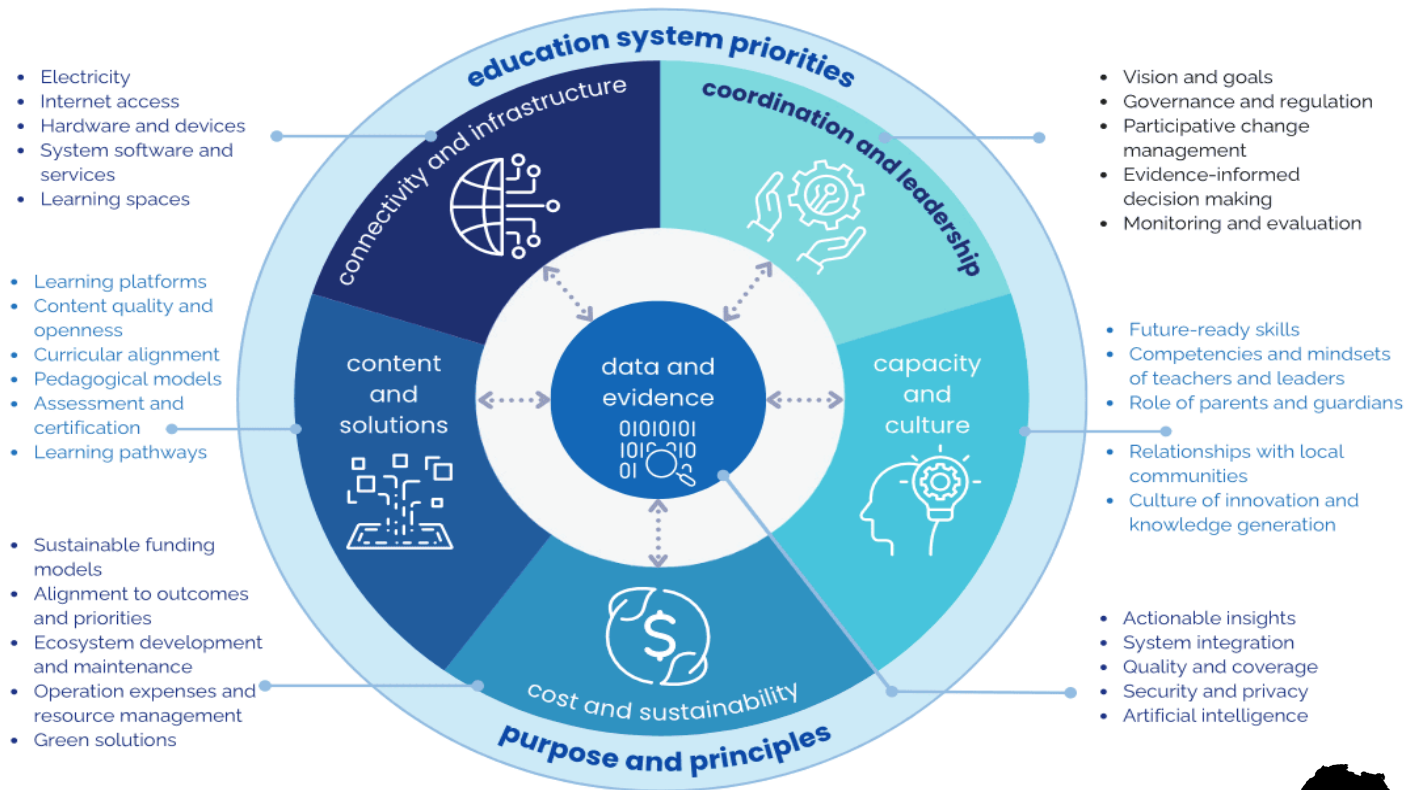
STAGES	DEFINATIONS
Awareness	Stakeholders recognize the value of digital education, establish foundational knowledge, and align vision and infrastructure to enable basic access to EdTech tools.
Application	Digital tools are actively used to enhance teaching and learning, with stakeholders applying technology to deliver curriculum, monitor progress, and build learner competencies.
Infusion	EdTech becomes embedded in daily practices; stakeholders innovate independently, collaborate across institutions, and support learner-driven initiatives and personalization.
Transformation	Stakeholders champion EdTech at global levels, driving innovation, creating systemic change, and fostering a culture of lifelong learning, leadership, and decentralized access.

METRICS ACROSS STAGES

Stage / Stakeholder	Students	Teachers	Administration	Parents/Caregivers	Key Metrics
Awareness	- Understand tools - Use personal accounts - Understand Digital safety	- Operate LMS - Begin integration	- Know policies - Begin infra setup	- Understand EdTech value - Support policies/budget	- Integration rate - Device ratio - Resource use - Budget - Vision alignment
Application	- Complete tasks - Use 4Cs - Research-based learning	- Use Learner-centered methods - Make data driven decisions to improve learning outcomes	- Provide support/training through data driven decisions - Enforce policy that support deliberate application of edtech to drive learning	- Monitor & celebrate progress	- Comprehension rate - Integration rate - Improvement index - Skills acquisition
Infusion	- Join digital clubs - Lead projects - Peer learning	- Curate content - Facilitate learning by use of Project based with - Data-driven	- Invest in infra - Inter-school collab	- Invest in devices - Support at home	- Peer innovation - Projects - Content curation - Parental investment
Transformation	- Global collaboration - Awards & leadership	- Coach globally - Champion EdTech	- Support Decentralized hubs - Global collaboration to influence policy and learn best practices	- Champion at home - Support innovation	- Global contributions - AI use - Data literacy

THE 6 PILLARS FOR DIGITAL TRANSFORMATION

- Electricity
- Internet access
- Hardware and devices
- System software and services
- Learning spaces

- Learning platforms
- Content quality and openness
- Curricular alignment
- Pedagogical models
- Assessment and certification
- Learning pathways

- Sustainable funding models
- Alignment to outcomes and priorities
- Ecosystem development and maintenance
- Operation expenses and resource management
- Green solutions

education system priorities

connectivity and infrastructure

coordination and leadership

- Vision and goals
- Governance and regulation
- Participative change management
- Evidence-informed decision making
- Monitoring and evaluation

content and solutions

data and evidence
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capacity and culture

- Future-ready skills
- Competencies and mindsets of teachers and leaders
- Role of parents and guardians

- Relationships with local communities
- Culture of innovation and knowledge generation

cost and sustainability

purpose and principles

- Actionable insights
- System integration
- Quality and coverage
- Security and privacy
- Artificial intelligence

EDCET
The African Dream

Discussion Questions

1. *How does strong coordination and leadership enable stakeholders—like in Masomo Kisasa—to move from recognizing the need for EdTech (awareness) to fully championing systemwide innovation (transformation)?*

2. *In the context of Masomo Kisasa, how does improving connectivity and infrastructure support progression through all four digital transformation stages*

3. *How can Masomo Kisasa build a cost-effective and locally owned model to support sustainable EdTech transformation across the four stages?*

4. *How can Masomo Kisasa invest in teacher capacity and community mindsets to ensure inclusive and adaptive culture as digital transformation evolves?*

5. *How can Masomo Kisasa ensure that the content and EdTech solutions it deploys progress from basic delivery tools to transformative learning experiences aligned with 21st-century competencies?*

6. *In what ways can Masomo Kisasa leverage data and evidence to guide its digital journey from initial awareness to systemwide transformation?*

	AWARENESS	APPLICATION	INFUSION	TRANSFORMATION
Coordination & Leadership				
Connectivity & Infrastructure				
Cost & Sustainability				
Capacity & Culture				
Content & Solution				
Data & Evidence				