Programme Overview

Agenda

- Introduction to NewGlobe

- The Context: Jigawa State of Education

- The Solution: Overview of JigawaUNITE

- Key Pillars of Transformation

- What makes JigawaUNITE Unique?

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Introduction

NewGlobe combines the science of learning with cutting-edge technology to transform public education

A **360-degree technology-enabled solution** designed for highly scalable implementation in low-resource environments transforms existing public schools into globally competitive public institutions.

Transformation happens at scale:

3 million students educated

8000 public schools transformed

6 countries across 2 continents impacted

Education outcomes are unprecedented:

Students develop core literacy skills **3x faster**

Students develop core numeracy skills **2x faster**

17% growth in public school enrolment in just two years

Key objectives of NewGlobe's methodology

Drive excellence in pupil learning across primary schools through data-driven decisions

Develop teaching skills and classroom management techniques by training, supporting, and motivating existing government teachers to succeed in their classrooms
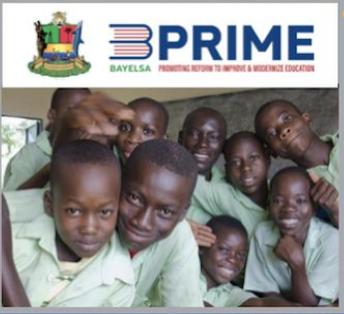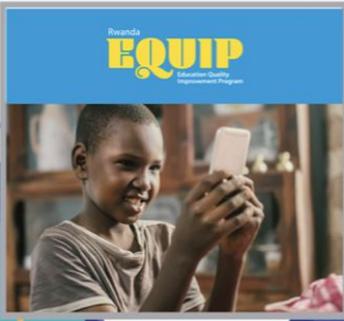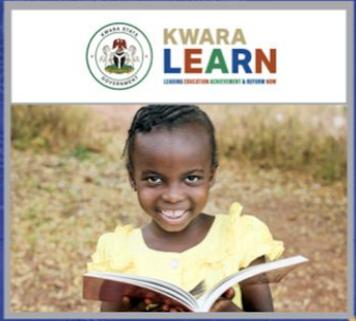
Leverage technology to enable teachers to teach excellent, curriculum supporting lessons

Support all government teachers through **professional development**

Provide Head Teachers **with one-on-one coaching and support**

NewGlobe's government partnerships

The Context

Jigawa State of Education

The visionary State Government of Jigawa is committed to accelerating development by transforming public education.

The government is taking significant steps towards transforming its education sector to accelerate development in the state. The recent restructuring of the Ministry of Education and hiring of 4700 teachers reflects His Excellency Mallam Umar Namadi's dedication to human capital development and inclusive growth, affirming his commitment to universal access to high-quality education.

The government's education reform aims to achieve equity in learning by:

- Leveraging technology to modernize education and treat it as a science.

- Treating learning gaps as emergencies requiring immediate attention.

- Implementing JigawaUNITE to bridge educational gaps and create a more equitable and prosperous society.

In essence, the government prioritizes equal access to quality education for every child, regardless of background, while treating learning gaps as urgent challenges. JigawaUNITE serves as a key tool to bridge these gaps and achieve a more equitable community.

However, gaps in education delivery and learning continue to persist in Jigawa State

Poor foundational learning outcomes	• 9 in 10 pupils in Primary 1- Primary 6 do not achieve foundational literacy; 8 in 10 pupils in Primary 6 cannot perform basic arithmetic tasks
Low enrolment in public schools and out-of-school children	• 40% children at primary age level are out of school; more than 500,000 out-of-school children in the state
High teacher absenteeism and lack of accountability	• On average, 13% of teachers are found to be absent from classrooms
Poor content knowledge and pedagogical practices of teachers	• Nearly 96% of teachers possess insufficient professional knowledge and skills

The Solution: Jigawa Unified New Improvement of Teaching and Education (UNITE)

Overview of JigawaUNITE

NewGlobe's holistic methodology covers critical key inputs to generate outcomes

Leveraging **the Science of Learning**

And **National Curriculum**

Digital Teaching Guides on a technology platform for research-proven lessons

Technology Platform that increases **Accountability & Professionalism**

In Person Teacher Training for each teacher based on proven approaches

Data-driven Teacher Coaching in classrooms every day

Scientifically-tested Learning Materials

Digital Transparency & Supervision through real-time dashboards

360 Degree Support Teams

JigawaUNITE is designed to address all key challenges facing the public education system:

Poor foundational learning outcomes	✓	Improved teaching practices through research-based and detailed lesson plans that ensure pupils are taught at the right level in every class, every subject, every day.
Low enrollment in public schools	✓	Positive classroom environments created using new methods of teaching that advocate praise and feedback rather than corporal punishment.
Poor teacher content knowledge and skills	✓	Improved teacher and school leader effectiveness through research-based training and continuous coaching using classroom data.
High teacher absenteeism and lack of accountability	✓	Improved monitoring and oversight through technology with geo locational features, tracking the pace of teaching subjects, daily access to material, and record of activities by each teacher.

Key Pillars of Transformation

JigawaUNITE

Scientifically-based Learning Materials aligned to Nigerian Curriculum

JigawaUNITE will equip teachers and students with cutting-edge and context-appropriate learning materials.

Digital Teacher Guides: A decade of analysis of learning outcomes and latest scientific research on effective teaching practice is infused into digital lesson plans for every subject, every class, every day adapted for the Nigerian curriculum. The lessons plans ensure that teaching-learning-

- Happens at the right level for all students

- Is culturally-relevant for Jigawa's classrooms

- Utilizes appropriate rigor to push students towards mastery

Continuous Content Adaptation: Continuous research on what drives learning enables continuous adaptation of content to ensure teacher guides and learning materials are fit-for-purpose and address local needs.

Integrated Printed Materials: Millions of pages of scientifically-based print materials are integrated with digital teacher guides to provide students with a rich learning experience.

Innovative Technology Platform for Learning Delivery, Accountability, and Support

JigawaUNITE will leverage technology to dramatically improve teaching, learning, and management of education delivery.

- **Digital Lesson Plan Delivery:** Digital lesson plans are published to each teacher's tablet application, with comprehensive daily lesson plans for every subject, every class, every day.
- **Real-time Monitoring of Lesson Delivery:** Real-time feedback for teachers, principals and central support teams is enabled by digital monitoring of lesson timing, delivery, and success to drive increased professionalism and accountability.
- **Digital Transparency of Learning-Outcomes:** Real-time mobile dashboards and central monitoring become sources of truth for field and central staff that inform data-driven support and interventions.
- **Effective School Management:** School leaders use smartphone-based school management application to effectively manage student and teacher lifecycle, classroom observations, and administrative functions.

Data-driven Training and Ongoing Coaching for Professional Development

JigawaUNITE will enable existing government teachers to deliver outsized learning gains.

Scientifically-based Induction Training

- World class, scientifically based training for every teacher and principal
- Informed by decade-long research of statistically identifying the top decile of teachers, based on their student learning outcomes and studying their practices
- Leverages 10-year track record of successfully training and preparing more than 20,000 teachers around the world.

Data-driven Ongoing Coaching

- Dedicated team of expert professional development coaches will visit each teacher's classroom 1x-3x per month
- Coaches will be equipped with specialised smartphone apps analyzing each teacher's performance and driving actionable insight for live coaching sessions

360-degree Support Teams

JigawaUNITE will enable full-spectrum operational excellence in the school system.

Newly Deployed Dedicated JigawaUNITE Support Teams

- Centralized data analytics, issue tracking and telephonic/ electronic support teams will provide expeditious support to schools
- IT Resolution Team will ensure seamless operation of technological tools
- Quality Assurance Team will inspect 5% of schools on a daily basis using purposed-designed digital, smartphone-based observation and audit tools with real time tracking and feedback.

Supporting Existing Government Teams

- Existing government support teams will be trained in best-practice approaches for doing classroom observations and supporting teacher and school leader teams.
- Support teams will be provided with access to web-based toolsets for real-time monitoring at both an aggregated and disaggregated level.

Rigorous Monitoring and Evaluation to Support Implementation

A comprehensive and rigorous Monitoring and Evaluation (M&E) Plan ensures-

Careful measurement of learning outcomes

Timely insights on the programme's strengths and areas of growth

Data-driven and targeted improvements

Maintenance of high standards of programme delivery

Impact is measured in the areas of-

Learning outcomes: Pupils are assessed in reading fluency, reading comprehension, and numeracy using internationally validated assessment tools (DIBELS, ICAN)

Classroom teaching practices: Practices that nurture pupils' cognitive and socio-emotional skills are assessed using a version of the Teach tool developed by the World Bank

What makes JigawaUNITE Unique?

Technology infrastructure optimized for environmental and practical considerations

The proprietary technology to be used for JigawaUNITE was developed for variable or low infrastructure environments, so that it functions equally well in urban and rural areas. A mobile and offline-first philosophy is used to innovate technology products.

Irregular Access to Electricity

Tech tools are designed to work for two weeks on a single charge

Unreliable Data Access

The system is designed with multiple levels of data caching and offline-first capability, which works even when network access is limited to just twenty minutes per day.

Low Data Access

The system is designed to function with 2G connectivity

Physically Demanding Environments

The system is suitable for use, even when dealing with harsh physical elements such as dirt, dust and direct sun.

Capacity Building and Sustainability are built into the design of JigawaUNITE

JigawaUNITE will build the capacity of all key governmental stakeholders at all levels to ensure sustainability of programme outcomes.

Classroom Level

At the classroom level, JigawaUNITE will train and digitally equip teachers to use modern, scientifically-based and child-centred pedagogies to deliver learning gains in the classrooms.

School Level

At the school level, JigawaUNITE will train and digitally equip head teachers to be a critical instructional leader for all of their teachers.

Ministry/SUBEB Level

At the system level, JigawaUNITE will train local education officers on using data and digital transparency tools to monitor and support schools. Ministry/SUBEB staff will accompany JigawaUNITE support officers on visits to be upskilled on utilizing these research-proven approaches.

From classroom to Commissioner's Office: Government Situation Rooms aid in transformative education delivery
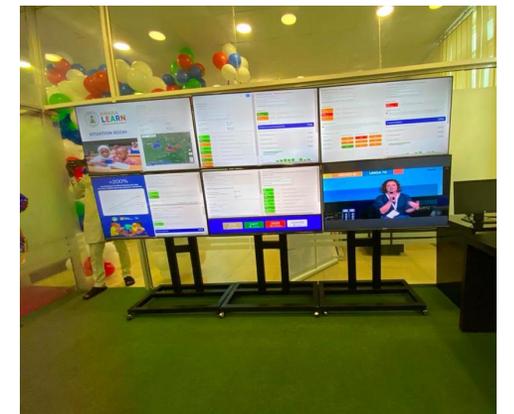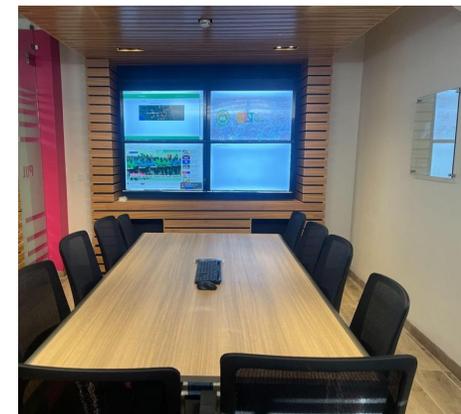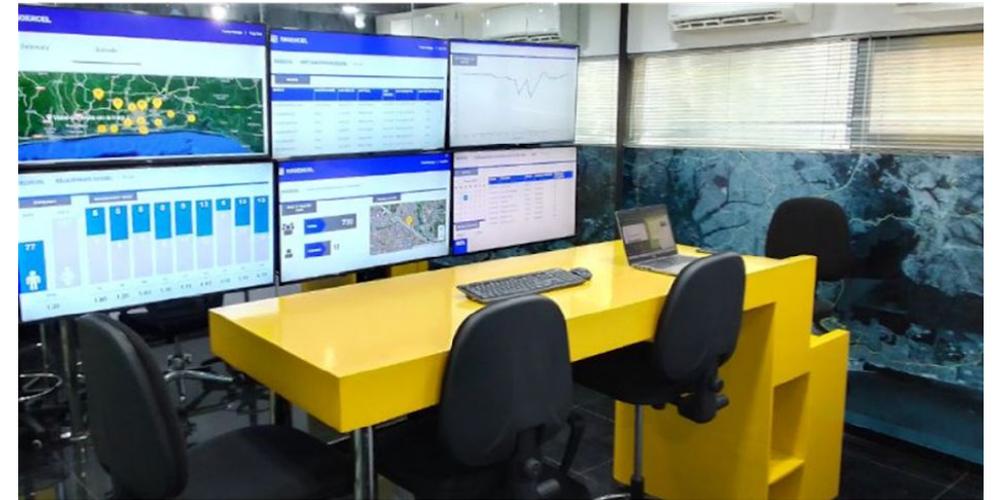
Implementation Considerations

JigawaUNITE

JigawaUNITE likely to add USD 3.25 billion to the state's economic output over just 2 decades

Educational economic output from the education gains vs. # Years after Implementation of Programme

Educational economic output from the education gains

Years after Implementation of Programme

- According to Eric Hanushek, world renowned Research on Quality Education; if a state improves the quality of student learning by ¼ standard deviation, the state's economic growth rate (measured in GDP) increases by 0.5% annually.

- JigawaUNITE is designed to produce this level of improvement. According to independent studies, NewGlobe's education programmes have achieved gains greater than this Hanushek level.

- As substantially higher educated students graduate and eventually enter the workforce, JigawaUNITE is expected to add USD 3.25 billion to the state's economy over 20 years.

Value for Money

The JigawaUNITE Programme portends tremendous immediate and future impact for Jigawa state government

Improved Learning Outcomes

JigawaUNITE will bring about a rapid and productive transformation (a 0.8 SD Gain) in the learning outcomes in Jigawa state, giving its youths a competitive edge among their peers and reducing unemployment in the state.

Improvement of current and potential workforce in Jigawa state

Training current teachers will yield an improved workforce in the education system as well as ensure quality education of students who will be become part of this workforce in the long run, allowing greater productivity

Contribution to long term GDP growth

We project JigawaUNITE generating additional economic output of USD $3.2 Billion over 20 years of implementing the programme.

National and Global Competitiveness for Jigawa State Public Education System

Better learning outcomes in Jigawa State through the implementation of the programme will rebuild the public trust in the education system of the State. It will also ensure students of the state can compete with or even rise above their counterparts from other states and countries.

JigawaUNITE Rollout Plan

JigawaUNITE will transform **2,324 primary schools**, ensuring over **858,601 children** and over **12,813 teachers** in the state can realise their full potential.

Year 1	Year 2	Year 3	Year 4	Year 5
2024-2025 Sep – Aug	**2025-2026 Sep – Aug**	**2026-2027 Sep – Aug**	**2027-2028 Sep – Aug**	**2028-2029 Sep – Aug**
500 Primary Schools	**1425 Primary Schools**	**2324 Primary Schools**	**2324 Primary Schools**	**2324 Primary Schools**
September Term: Programme launch including census, training, materials production, hardware, team creation, public launch. **January Term:** First day of class for students in the 1st cohort. **April Term:** Stabilize 1st cohort.	**September Term:** First day of class for students in the second cohort. Monitor all recently launched cohorts. **January Term:** Stabilise 2nd cohort. Prepare for launching the 3rd cohort. **April Term:** First day of class for students in the 3rd cohort.	**September Term:** First day of class for students in the 4th cohort. Prepare for launching the 5th cohort. **January Term:** First day of class for students in the 5th cohort. **April Term:** Stabilize 5th cohort.	**September Term:** First day of class for students in the 6th cohort. Prepare for launching the 7th cohort. **January Term:** Stabilise 6th cohort. Prepare for launching the 7th cohort. **April Term:** First day of class for students in the 7th cohort.	**September Term:** Stabilise the 9th cohort. Monitor all recently launched cohorts. **January Term:** Monitor all recently launched cohorts. Stabilise the transition. **April Term:** Stabilise and monitor the transition.

Questions?

Thank you