Tech-Enabled Disability Inclusive Education (TEDDIE): Empowering All Learners, Transforming Education

Significance of Leveraging Technology for Disability Inclusion in Education

Tech's Transformative Role
Tool to empower learners, including students with disabilities.

Inclusive Learning Impact
Accommodates learners with disabilities and ensures diverse learning needs are met.

Equitable Access
Technology ensures resources to students with disabilities.

Introducing TEDDIE

Significance (WHY)
- Strengthens policy processes.
- Provides initial answers to cost-related questions, for inclusive education.
- Quantifies hardware, software, and human capacity costs of inclusive technologies.

Tech-Enabled Disability Inclusive Education (TEDDIE) (WHAT)
- Instrument comprising a costing tool and an implementation toolkit.
- Supports policy makers in estimating costs for interventions using technology to support learners with disabilities.

TEDDIE Costing Tool:
- Informs inclusive education reform, program implementation, or project proposals.
- Utilizes an Excel-based tool to cost out a minimum package for intervention.

TEDDIE Implementation Toolkit:
- **Intervention:** Outlines processes and pedagogies for implementing a minimum package over 5 years.
- **Minimum Package:** Covers key inputs and costs of a technological intervention, including hardware, software, human resources and evaluation.
- **Case Study/Research:** Applies the costing tool in a country.

Audience (WHO)
- Supports policy makers at Ministries of Education, Health, Social Protection, Finance, Digital Development; stakeholders such as NGOs; and the private sector in planning inclusive EdTech interventions.

Adapting TEDDIE to Diverse Country Contexts (HOW)

Emerging Inclusive Education Contexts:
- Supports efforts for a TEDDIE minimum package.
- Builds capacity among policy makers.
- Identifies priority areas for inclusive education and EdTech policies.

Established Inclusive Education Contexts:
- Strengthens existing efforts in countries with established inclusive education policies.
- Focuses on teacher training, technology updates, and innovative solutions.
- Identifies gaps and paves the way for improvement and next steps.

Piloting TEDDIE

STEP 01 — Understand the Country Context
- **Policy Alignment:** How to tailor a TEDDIE intervention to complement the government's agenda?
- **Leveraging Data:** How can existing data on learners with disabilities shape the TEDDIE intervention's design?
- **Navigating EdTech:** How does the national EdTech ecosystem influence the formulation of a TEDDIE intervention?

STEP 02 — Design a TEDDIE Minimum Package
- **Required Tech:** What tech hardware or software is needed to ensure all students can access learning?
- **Invisible Costs:** What are the crucial hidden costs in TEDDIE implementation? E.g. human and material resources.

STEP 03 — Use TEDDIE to Cost Out the TEDDIE Minimum Package
- **Longitudinal Costs:** What are the minimum package implementation expenses?
- **TEDDIE Integration:** How can TEDDIE be integrated into government budgets and planning?

Insights from TEDDIE Pilot Countries

Mongolia Context
- Institutional capacity and policy design gaps hinder accessible and quality education for learners with disabilities (e.g., lack of teacher training, insufficient teaching and learning materials, inaccessible environments).
- Limited data on learners with disabilities is coupled with insufficient budgeting and planning.
- Limited knowledge about local assistive hardware/software and teachers needing training.
- Challenges in applying assistive tech.

The Gambia Context
- Strong political commitment and legal frameworks drive access to equitable education for all learners.
- Yet learners with disabilities encounter obstacles, including limited access to assistive devices (ADs) and tech (ATs).
- Potential seen with a new screening tool implemented through coordinated efforts across education and health sectors.

Key Takeaways

- **Institutional Policy and Implementation:** Despite policy efforts, barriers such as inadequate training, materials, and inaccessible environments hinder effective inclusive education.
- **Sustainable Financing:** Clear funding mechanisms for assistive technologies are lacking.
- **Teacher Training:** Insufficient training limits teacher ability to effectively support students with disabilities.
- **Product Availability:** Limited market supply of assistive technologies.
- **Technology Updates:** Outdated resources need modernization to enhance learning environments.
- **Connectivity Challenges:** High costs and unreliable internet connectivity informed the preference for low-tech and offline solutions.

SCAN ME

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READ TEDDIE OVERVIEW

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Let's Shape an Inclusive Future Together with TEDDIE!

Contact us at **inclusive_education@worldbank.org** for inquiries, collaboration opportunities, and follow-up.

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