

Costing a Tech-Enabled Disability Inclusive Education (TEDDIE) Intervention: Brief



WHAT is TEDDIE?

Tech-Enabled Disability Inclusive Education (TEDDIE) is an instrument comprising a costing tool and an implementation toolkit to help policy makers estimate the cost of procuring, utilizing, and maintaining an intervention that leverages technology to support learners with disabilities.

A **TEDDIE instrument** refers to all TEDDIE-related products, including a costing tool and implementation toolkit. Using a TEDDIE instrument requires an inclusive EdTech intervention to implement at the national, regional, local, or school level. An effective use of TEDDIE involves designing the selected intervention and working with government focal points to use the available information and data sources to cost out that intervention.

The **TEDDIE costing tool** can be used to generate a report that can subsequently be used to inform inclusive education reform; implement a program; or prepare a project, law or policy draft, concept note or proposal for donors/funders, among others. The TEDDIE (costing) tool specifically refers to the Excel tool used to cost out a minimum package.

The **TEDDIE implementation toolkit** includes an intervention, minimum package, and case study/research. A **TEDDIE intervention** refers to the processes and pedagogies that are used to implement a minimum package, i.e., how those inputs are applied, used, monitored, and adapted over time (five years). The processes and pedagogies include mainstreaming inclusive education through the use of technology, equipping a subset of schools with inclusive technologies, increasing teachers' capacity to use and apply technologies, among others. A **TEDDIE minimum package** refers to key inputs and associated costs of a technological intervention, including materials and tools such as hardware and software, as well as human

resources, such as teachers and teacher training, the costs of monitoring and evaluation, etc. **TEDDIE case study/research** refers to the process of applying the Excel tool in a country, which involves conducting primary research in that specific context and drawing upon the lessons learned.

WHO is TEDDIE for?

The **TEDDIE instrument** is aimed to support policy makers at Ministries of Education, Health, Social Protection, Finance, and Digital Development to plan for inclusive EdTech interventions. For example, relevant ministries and other government bodies, with the assistance of World Bank Task Team Leaders, can use the information provided by TEDDIE in their decision-making processes regarding inclusive education and the provision of EdTech including assistive technologies. TEDDIE can also be used by donors, other international organizations, nongovernmental organizations, civil society, and the private sector.

HOW can TEDDIE be piloted to meet the needs of a specific country?

There are **three key steps** to piloting TEDDIE to meet the needs of a specific country. Addressing the accompanying key questions will help to contextualize and tailor the TEDDIE minimum package and intervention for a country's specific needs. Please refer to the note titled Costing a Tech-Enabled Disability Inclusive Education Intervention (TEDDIE) for descriptions and questions for each of the three steps.

Step 1. Understand the country context.

Step 2. Design a TEDDIE minimum package.

Step 3. Use TEDDIE to cost out the TEDDIE minimum package.

What are the key considerations for implementing TEDDIE?

To ensure the effective and sustainable implementation of TEDDIE, the following five critical considerations will need to be addressed:



Ensuring the availability and accuracy of quality data.

Quality data are essential for the effective implementation of TEDDIE. Comprehensive and granular data on learners with disabilities and school resources need to be regularly gathered, validated, and updated at the system level. This is crucial for TEDDIE to provide informed decision-making and tailored interventions.



Effectively integrating a systemwide plan.

TEDDIE supports prioritization at the system level. By providing a holistic framework, and by convening different stakeholders into decision-making processes, TEDDIE can facilitate the identification of gaps and priorities within the education system and technology ecosystem.



Adding value to the existing national policies and priorities.

TEDDIE can help align priorities for tech-enabled inclusive education with existing national policies and strategies. This ensures interventions build on current efforts and fit the country context.



Adapting TEDDIE to suit each unique country context.

TEDDIE can be customized to each country's context based on policies, data availability, local tech landscape, and stakeholder needs. In countries with emerging inclusive education policies and developing assistive tech resources, the TEDDIE instrument can support efforts to provide a TEDDIE minimum package of key inputs and associated costs of a technological intervention. In countries with more established inclusive education policies and tech eco-systems, TEDDIE can strengthen existing efforts to improve current inclusive education policies, by focusing on training teachers; updating devices, hardware or software; or trialing more high-tech and innovative solutions; among other things. TEDDIE can also function to identify gaps for improvement and next steps.



Taking measures to sustain the effort and impact of TEDDIE over time.

Successful TEDDIE intervention requires ongoing training, maintenance of tech, policy advocacy, evidence building, and coordination between government, civil society, and private sector. A long-term, collaborative approach is the key.

These five takeaways highlight crucial factors for budgeting and implementing tech-enabled solutions for disability inclusion. **TEDDIE can be a valuable tool to foster an inclusive and accessible education system for all learners with disabilities.** However, achieving this vision demands concerted efforts from governments, civil society, and the private sector, reinforcing the importance of commitment and collaboration in this endeavor. By addressing the concerns raised in these five key considerations, the potential of TEDDIE to empower learners with disabilities with the transformative benefits of educational technology can be fully realized.

Let's Shape an Inclusive Future Together with TEDDIE!

Contact us at inclusive_education@worldbank.org for inquiries, collaboration opportunities, and follow-up. Scan the QR codes to know more.



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