The Challenge

Since the introduction of free primary education in 1994, the Malawi Government has significantly improved access and equity in its primary schools. However, the education system still faces significant challenges including overcrowding in classrooms, lack of learning materials, and a shortage of trained teachers. As a result, only 19% of children ages 7 to 14 have foundational reading skills and 13% have foundational numeracy skills.

The Opportunity

The Malawi Government has committed to improving the foundational literacy and numeracy skills of all primary school learners in Standards 1–4 through the BEFIT program. BEFIT is massively scalable, evidence-based, and closely aligned with Malawi’s official vision plan, “Malawi 2063,” which focuses on foundational learning for youth and digital skill development for students and teachers. BEFIT will:

- Serve 3.8 million children across 6,000 public primary schools per year at scale
- Be led by the government and temporarily supported by a consortium of partners, including Imagine Worldwide, onebillion, VSO and others
- Be embedded within the national curriculum and school timetables
- Introduce solar power, provide ICT training, upskill communities, and catalyze job creation
- Be fully sustained by the government, operationally and financially, post implementation phase

The EdTech Intervention

Child–directed, adaptive learning is delivered to the student on a tablet. The model overcomes systemic barriers and is highly scalable because of:

- **ACCESS** Tablets work without internet or grid power. Learning is at the right level for each child.
- **EFFICACY** onebillion’s software provides a complete, evidence-based curriculum/pedagogy and has consistently shown strong learning gains.
- **AFFORDABILITY** Attractive unit-level costs of <$7 per child/year that continue to decline with economies of scale.

<table>
<thead>
<tr>
<th>Implementation Year</th>
<th>Sept 2023</th>
<th>Sept 2024</th>
<th>Sept 2025</th>
<th>Sept 2026</th>
<th>Sept 2027</th>
<th>Sept 2028</th>
<th>Sept 2029</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of Schools Served</td>
<td>8.3%</td>
<td>17%</td>
<td>36%</td>
<td>55%</td>
<td>75%</td>
<td>100%</td>
<td>100% (6,000 schools)</td>
</tr>
<tr>
<td>Learners Served</td>
<td>318,399</td>
<td>634,899</td>
<td>1,369,179</td>
<td>2,103,459</td>
<td>2,837,739</td>
<td>3,798,000</td>
<td>15,000,000 (cumulative)</td>
</tr>
<tr>
<td>Teachers Trained / Year</td>
<td>5,400</td>
<td>5,400</td>
<td>12,528</td>
<td>12,528</td>
<td>12,528</td>
<td>16,383</td>
<td>All BEFIT teachers trained</td>
</tr>
<tr>
<td>Solar Installations</td>
<td>500</td>
<td>500</td>
<td>1,160</td>
<td>1,160</td>
<td>1,160</td>
<td>1,520</td>
<td>All schools electrified</td>
</tr>
</tbody>
</table>
Robust Evidence
This model has already been successfully implemented in over 250 schools across Malawi since 2014, serving 225,000 children via the Unlocking Talent program.

Multiple rigorous studies have shown strong learning gains in literacy and numeracy. Children’s excitement about school, attendance, and confidence as learners also improved. Results from Imagine Worldwide’s two-year randomized control trial (RCT) show:

4.2 months
of additional learning in literacy after using the tablets for 13 months, despite COVID disruptions

72%
attained emergent or fluent mathematics status which was more than 1.4x the control group

50%
more children advanced on national literacy benchmarks compared to the control group

gender parity
girls benefited at least as much as boys in contrast to standard classroom practice

Malawi is one of the first nations to scale a digital personalized learning solution countrywide. BEFIT will serve millions of children in Malawi and create a roadmap for other countries to follow.

Transformational Impacts
BEFIT will not only improve children’s lives but also help transform Malawi’s education system and accelerate innovation across the country.

ICT Capacity
Currently only 0.7% of the teachers in Malawi have ICT training. BEFIT will provide technology training at every level of the education system (school, district, and national). As a result, the entire country will be in a significantly stronger position to embrace future innovations across the education sector.

Solar Infrastructure
According to the World Bank, only 11% of Malawians have access to electricity. BEFIT will establish solar power systems in all primary schools in Malawi, providing renewable energy for 20+ years. Research shows that introducing electricity/power in schools can have multiplier effects such as extending studying hours, improving girls’ attendance and academic performance, and creating opportunities for community education.

Workforce Upskilling and Jobs
Malawi has a huge youth population with almost three quarters of its citizens aged 30 or younger. BEFIT is stimulating demand for an ecosystem of service providers to deliver troubleshooting, maintenance, and ICT support services specifically focused on solar power supply systems, tablets, and accessories. The digital upskilling component of BEFIT is strongly aligned with Malawi’s Digital Economy Strategy (2021–2026).
Sustainable Approach

Government Owned

The program is owned by the Ministry of Education’s Directorate of Basic Education (DBE) and supported by other Ministry directorates. It utilizes existing government resources, is aligned to the national curriculum, and is embedded within school timetables. The software is in the local language of Chichewa and supplements existing teacher-led instruction. Each durable tablet is used by an average of five students for an hour each per day.

Attractive Unit-level and Ongoing Costs

The implementation model costs <$7 USD per child per year (assuming amortization over the useful life of the equipment).

Philanthropy and aid fund the upfront infrastructure over the first six years. The government funds all recurring costs after the upfront investments, estimated to be <$5 per child per year.

BEOFIT Phase 1 Updates

(Academic Year ‘23/’24)

Program Updates

- 500 initial schools were selected for Phase 1 and a thorough readiness assessment of each school was conducted by Imagine Worldwide
- Initial equipment has been procured, delivered, and installed (80k tablets and accessories, 500 solar power systems)
- Six Implementation Support Providers (training, monitoring, capacity building) and four Technical Support Providers (charging/security/storage cage fabricators) have been retained and national and district-level trainings completed
- The Ministry of Education’s Program Implementation Management Unit (in charge of system-strengthening) has been established and management leads have been hired
- onebillion has provided a perpetual royalty-free license of its adaptive learning software
- A digital eAssessment in the local language of Chichewa has been created by RTI for ongoing monitoring of program impact
- Imagine Worldwide has established and funded a dedicated Malawian NGO (Imagine LTD) to act as ecosystem coordinator for the BEFIT program

Funding Updates

- Imagine Worldwide has secured $20mm for the first phase of BEFIT, serving 500 schools and 250k students (this includes support funding for 338 existing Unlocking Talent schools, serving over 100k students, until they transition to BEFIT in Year 2)

Join us in helping millions of children in Malawi reach their full potential!