

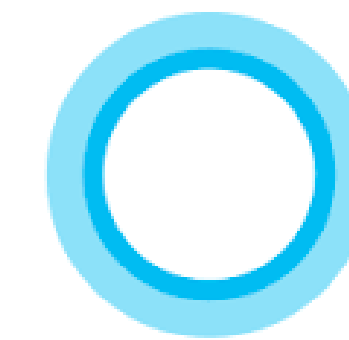
Personalized AI & Open Platforms

A Transformative Technology for SDG #4: Quality Education for All

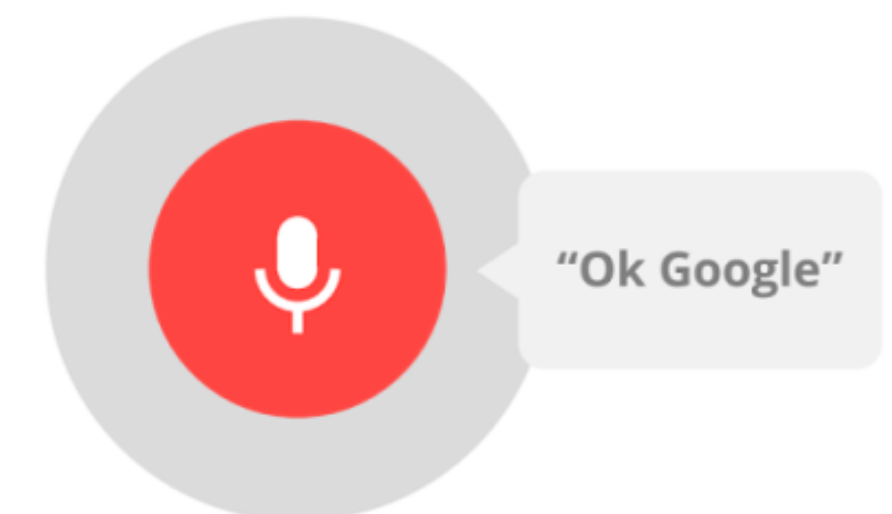
Dr. Cynthia Breazeal
MIT Media Lab, Personal Robotics Group
Founder & Chief Scientist, Jibo Inc.



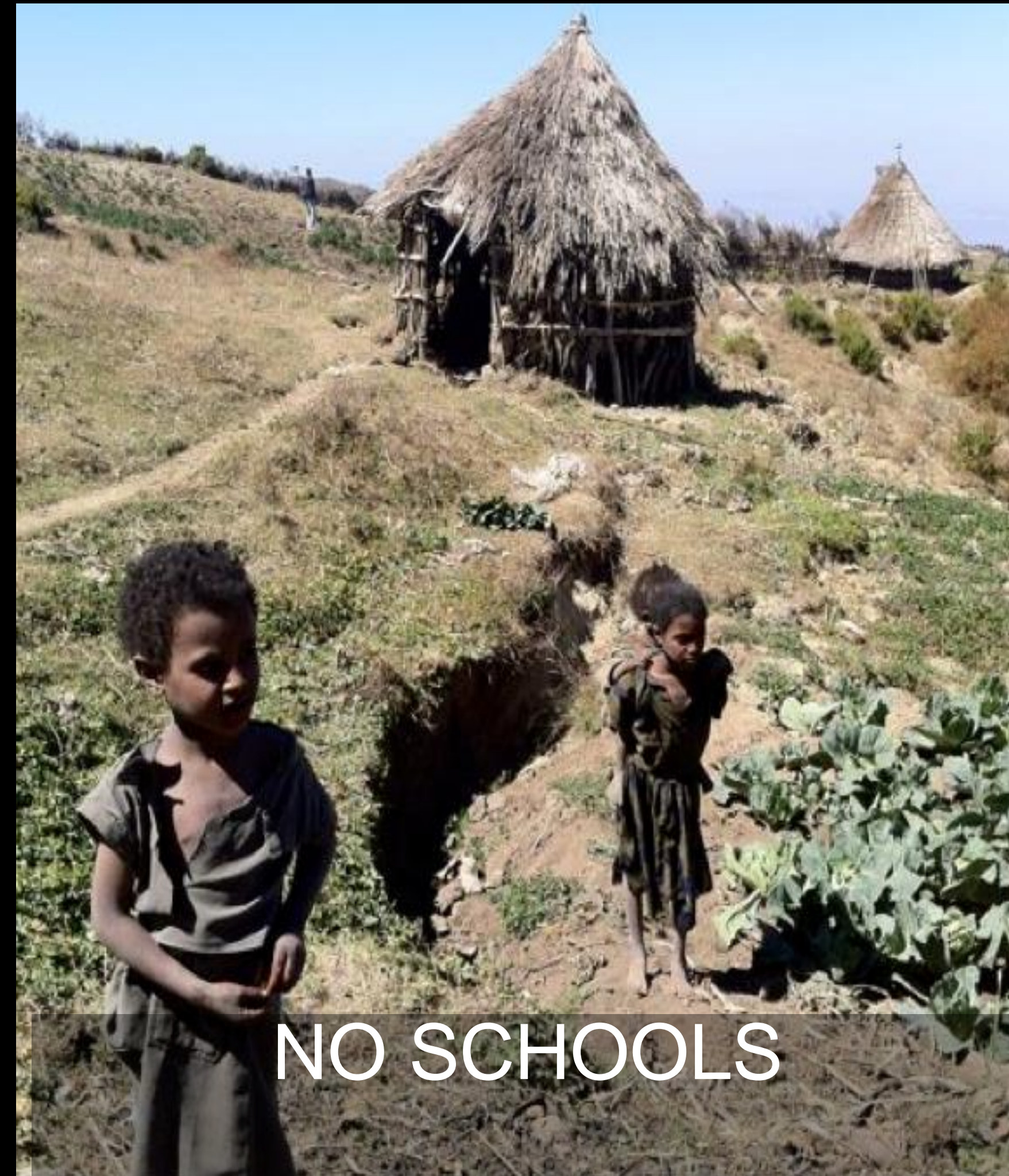
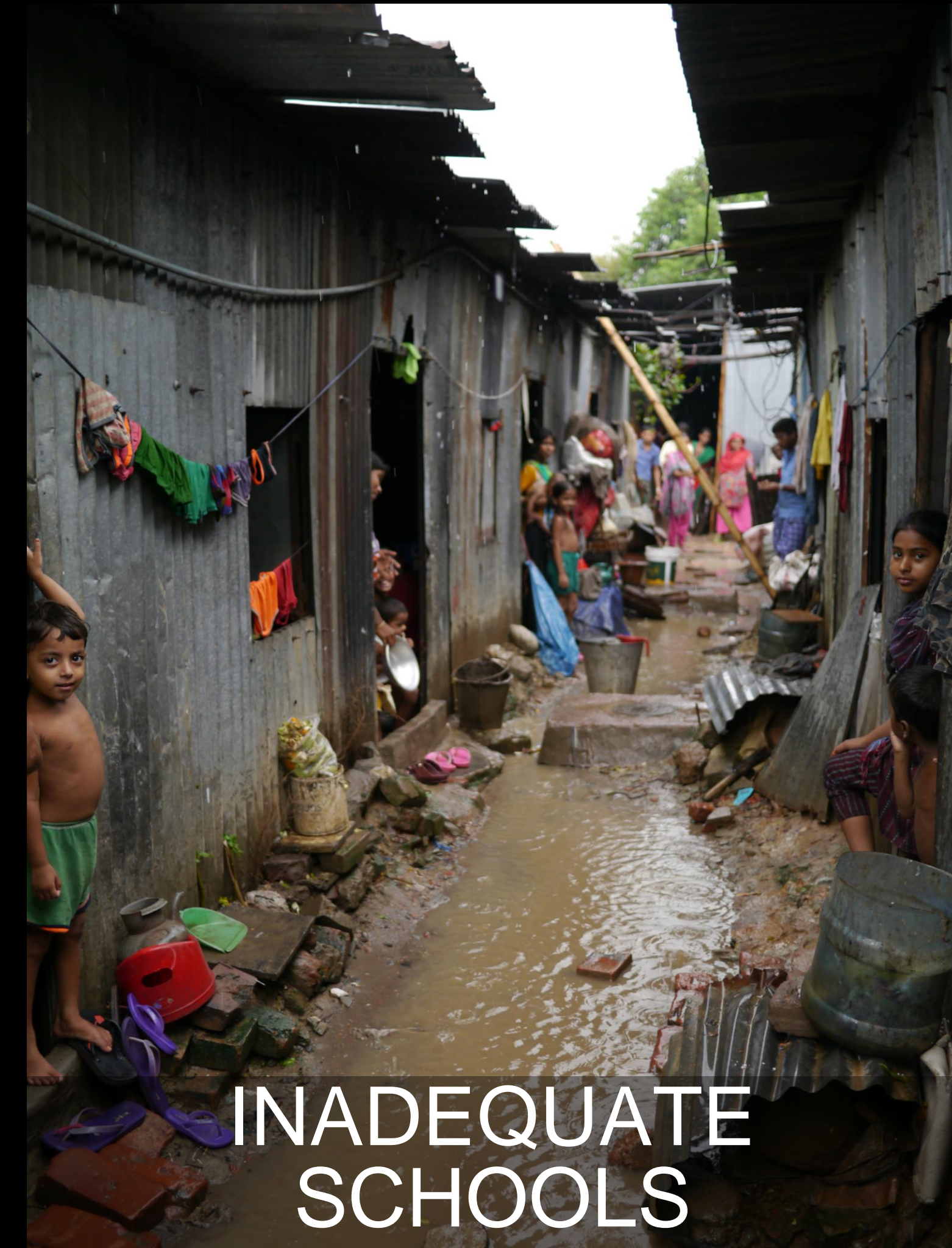
- **Intelligent digital assistants.** Multi-billion dollar strategic investment of high-tech companies.
- **Personalization.** Scalable individualized attention.
- **Cloud connected devices.** Enables AI assistants to engage people wherever & whenever.
- **Big data.** Necessary for AI assistants to learn, personalize, and improve.
- **Platforms + Developer Communities.** AI-powered assistance built into developer platforms to accelerate broad application + rapid proliferation.



Hi, I'm Cortana.



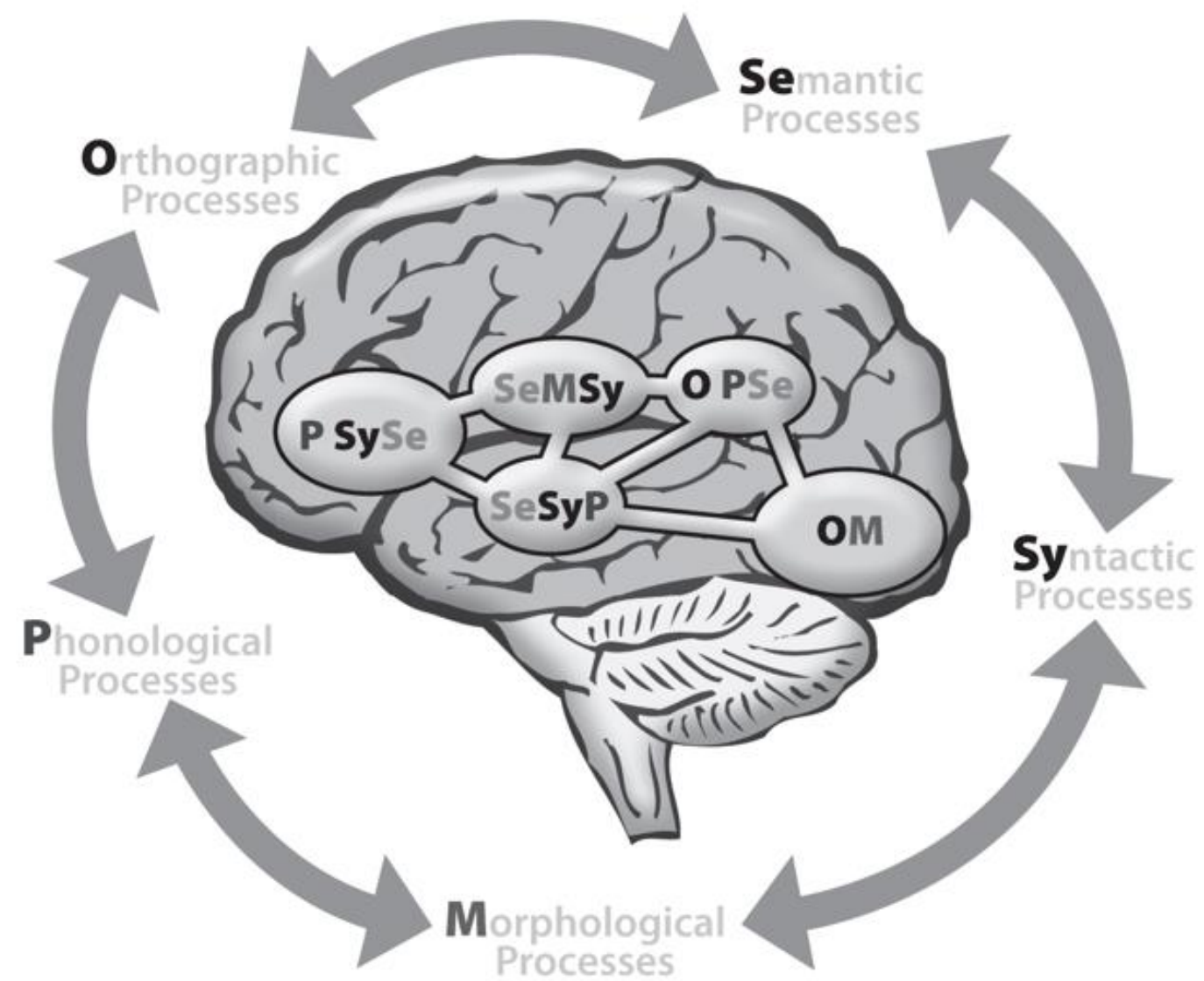
Reimagine how we might educate children where traditional methods continue to fall short



Can we Achieve Universal Literacy by 2030?



Science of Learning



We understand how the brain learns to read

Data-Driven Innovation



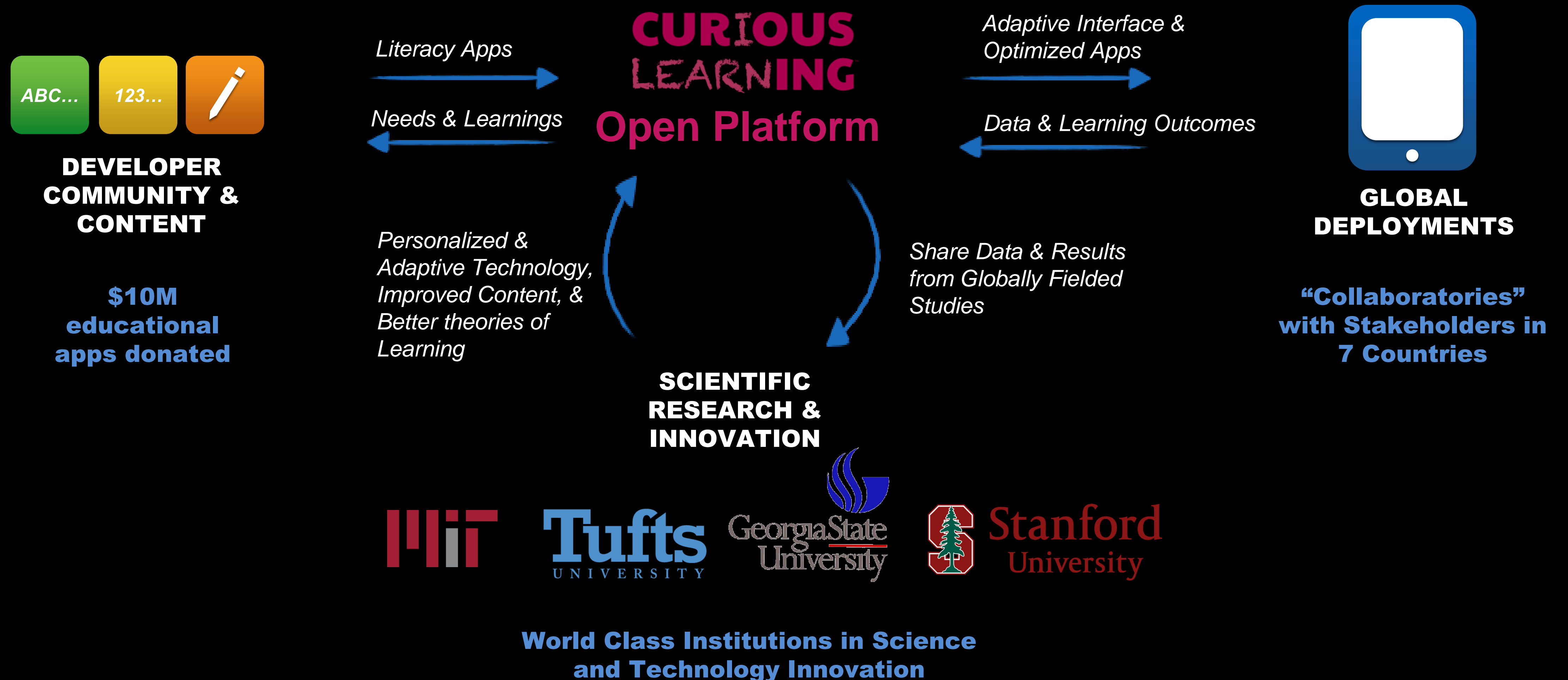
We build intelligent & personalized technologies

Reach of Mobile Computing



We capture big data to understand behavior and adapt interventions

The Power of Platform: A Global “Living Lab” Process



ENGAGE, MEASURE, ASSESS

SOCIAL & COLLABORATIVE



REMOTE VILLAGE ETHIOPIA

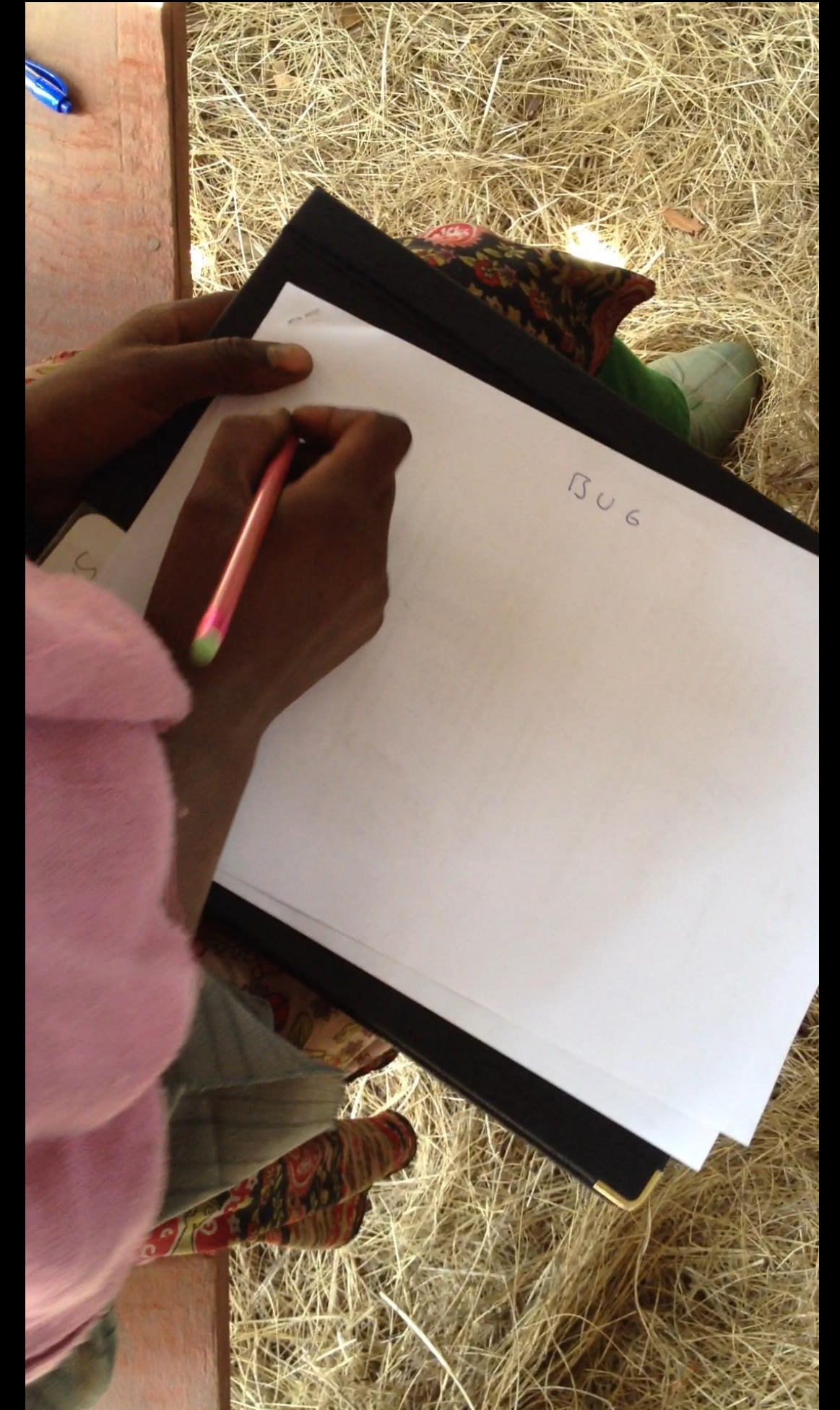
DAYCARE UGANDA SLUM





Children in remote villages
with no access to school.

After 1-year deployment.



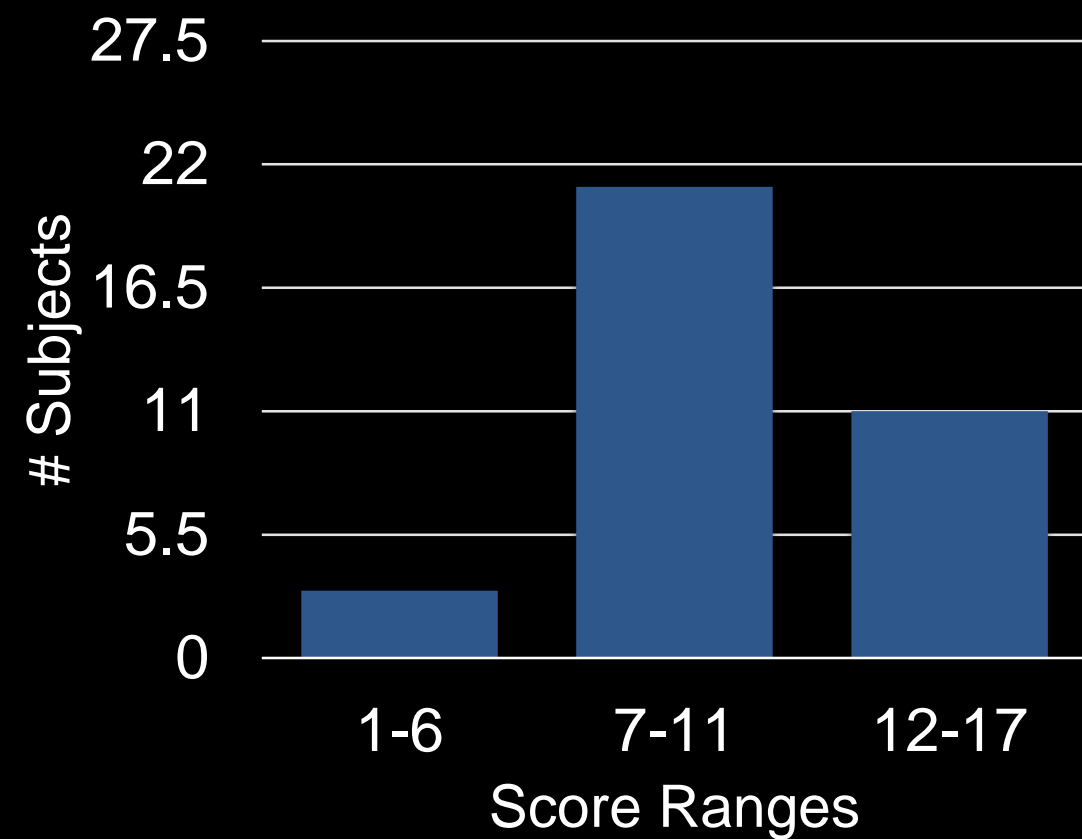
Ethiopia

South Africa

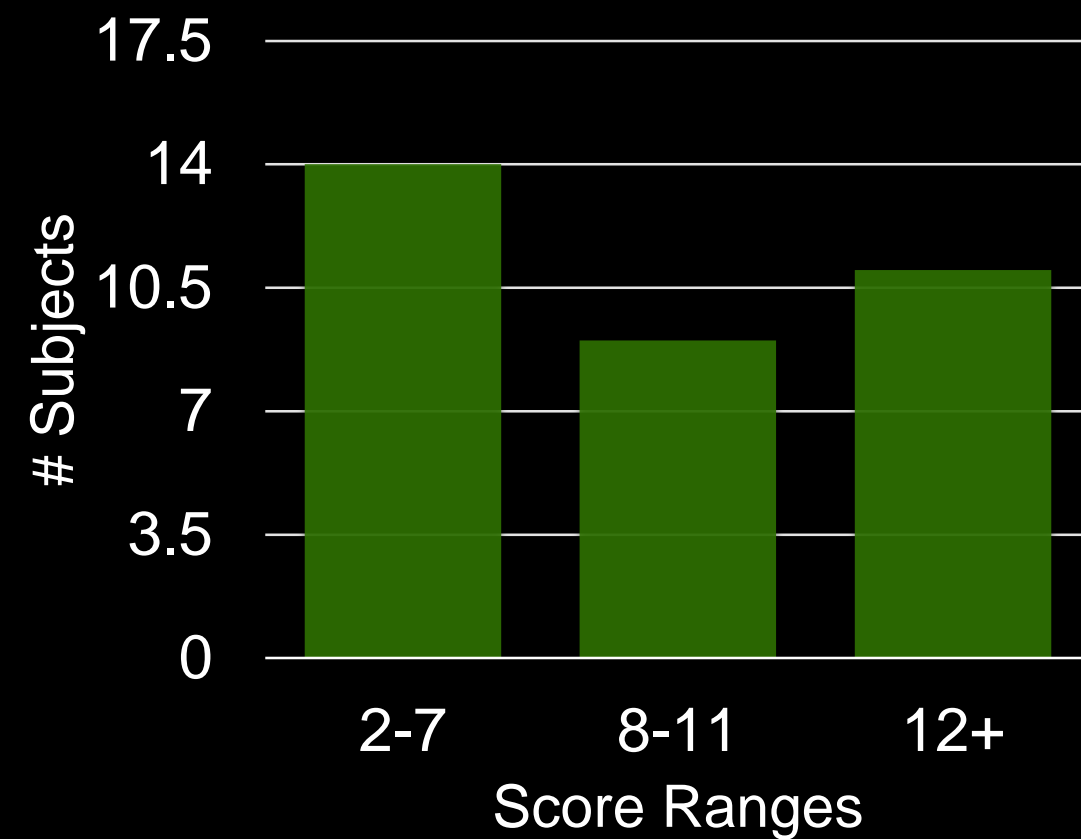
**NO SCHOOL
results**

**UNDER-RESOURCED SCHOOL
results**

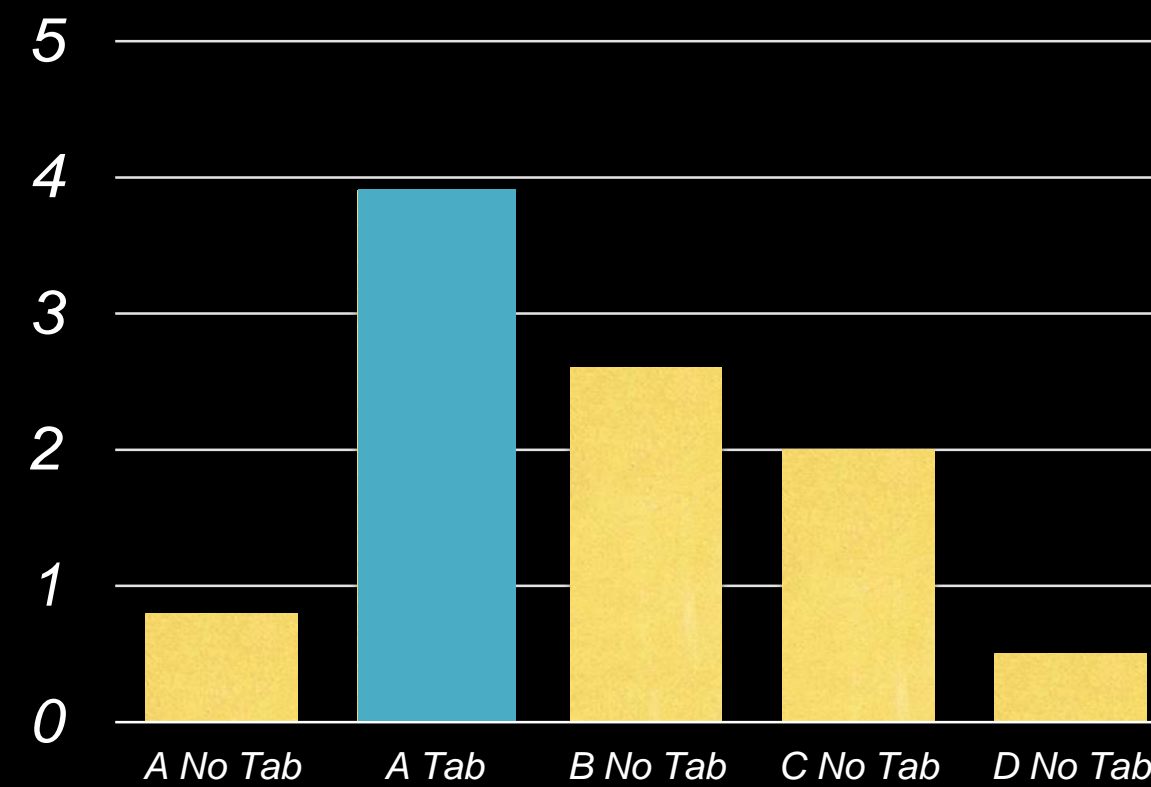
VOCABULARY



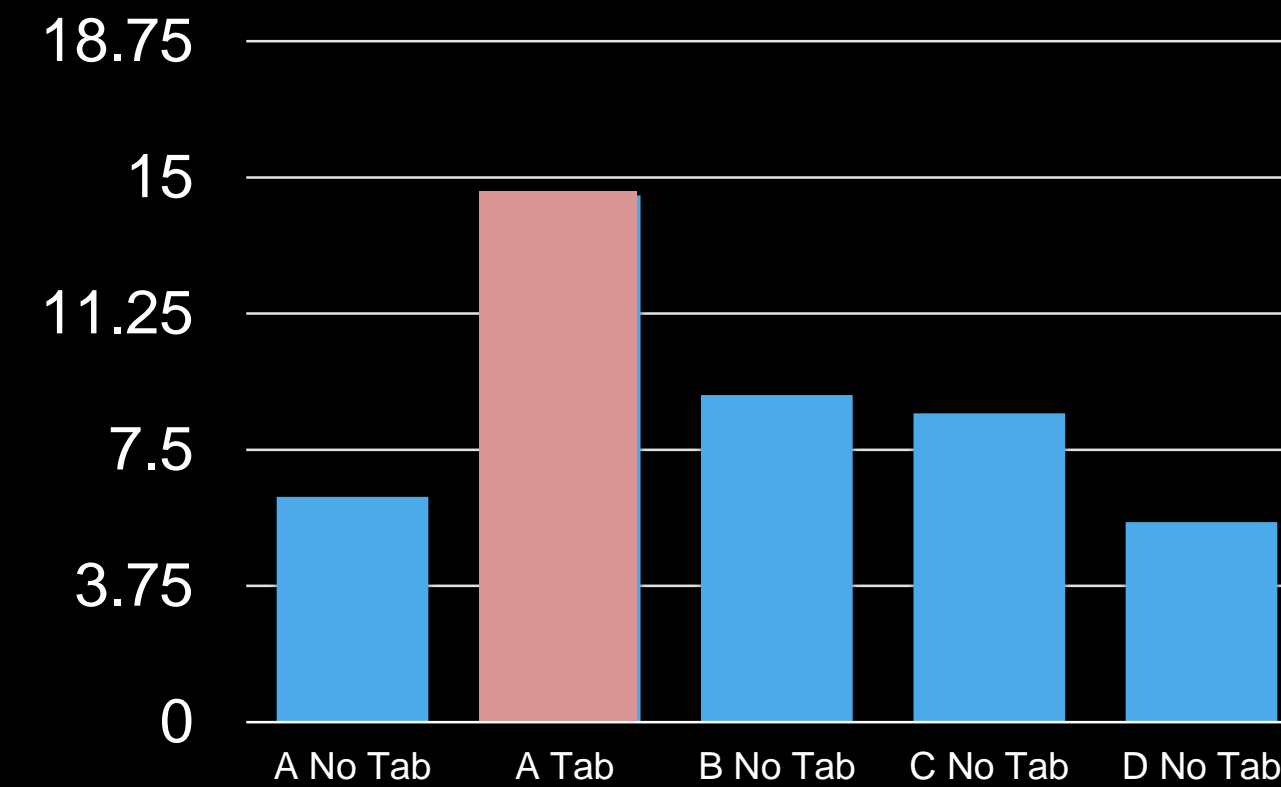
LETTERS



No. Words Decoded 1st Grade



Letter ID - Random Order 1st Grade



Recommendations

Invest in and galvanize global efforts to create an Open Digital Education Platform. Leverage the global community of scientists, innovators, technologists, stakeholders to help solve SDG #4.

Embrace the iterative, data-driven process of digital innovation for effective interventions that are scalable, affordable, rapidly deployable.

Derive solutions and best-practices in the context of “living labs” with stakeholders around the world.

Empower children with no access to school to learn. Boost learning gains for those in school and beyond school.