# Personalized AI & Open Platforms A Transformative Technology for SDG #4: Quality

# Education for All

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**United Nations Presentation Transformative Technologies** for SDGs



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

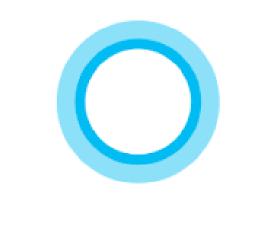
http://www.bloomberg.com/news/articles/2016-05-18/google-shows-off-ai-to-keep-up-with-facebook-amazon-apple











#### Hi, I'm Cortana.





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

# INADEQUATE SCHOOLS



# NO SCHOOLS **OVER-CROWDED** SCHOOLS

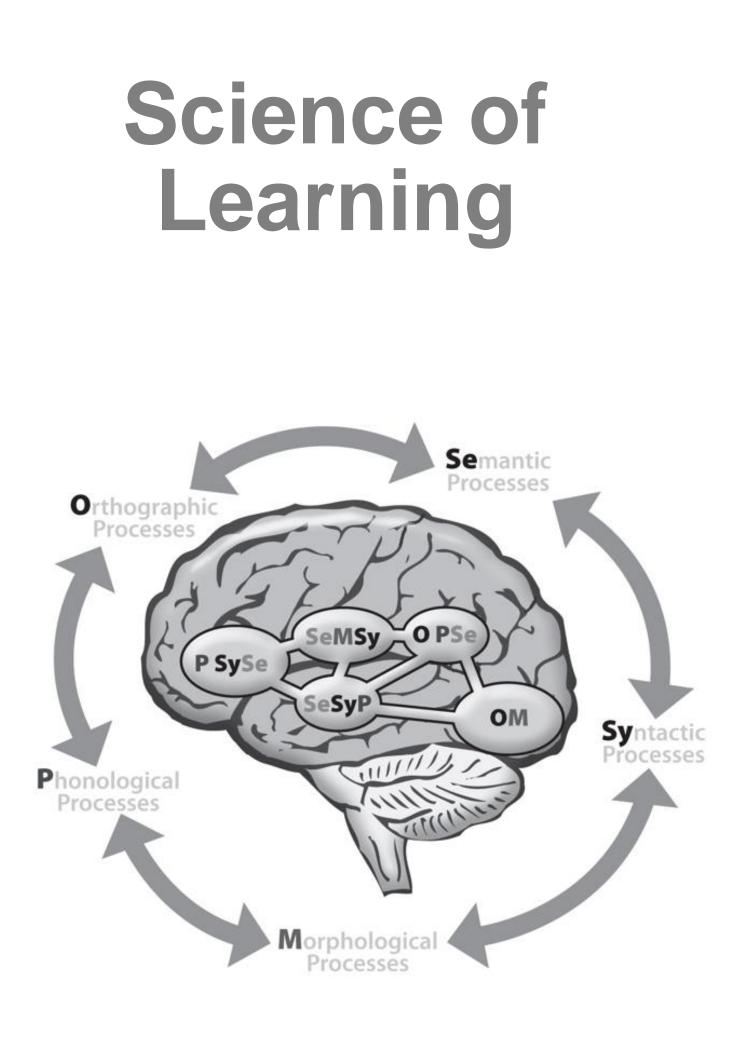


## Can we Achieve Universal Literacy by 2030?



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#### 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



#### DEVELOPER **COMMUNITY &** CONTENT

**\$10M** educational apps donated Literacy Apps

Needs & Learnings

Personalized & Adaptive Technology, Improved Content, & Better theories of Learning

SCIENTIFIC

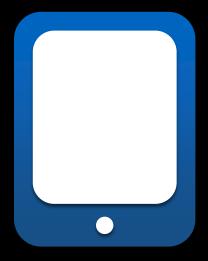


**World Class Institutions in Science** and Technology Innovation

#### CURIOUS LEARNING **Open Platform**



Data & Learning Outcomes



#### GLOBAL DEPLOYMENTS

Share Data & Results from Globally Fielded Studies

"Collaboratories" with Stakeholders in **7** Countries

**RESEARCH &** INNOVATION GeorgiaState University





#### ENGAGE, MEASURE, ASSESS



#### **REMOTE VILLAGE ETHIOPIA**

#### SOCIAL & COLLABORATIVE



#### DAYCARE UGANDA SLUM

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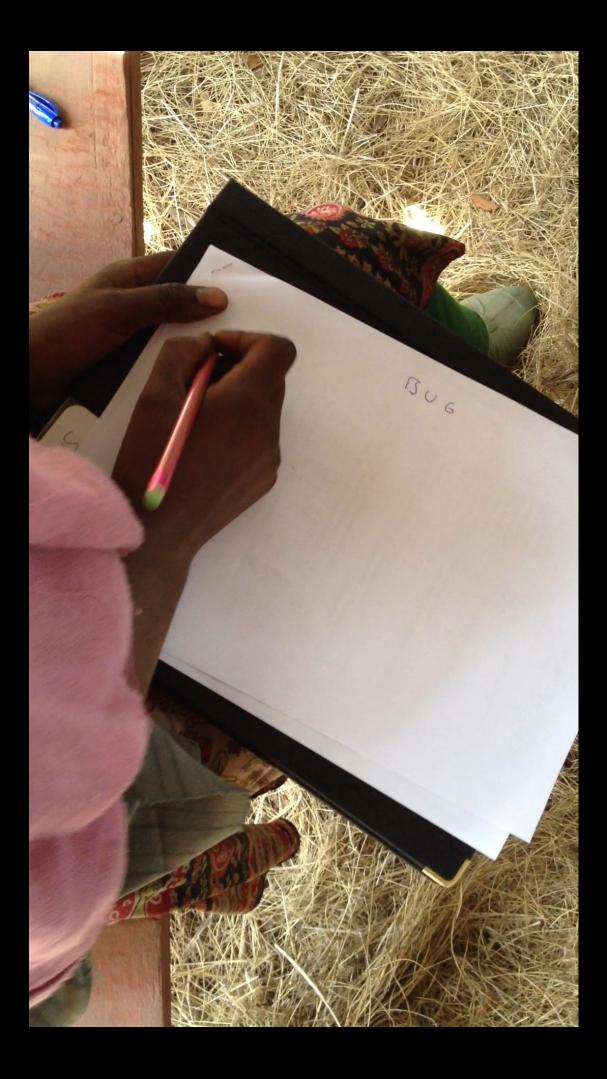






Children in remote villages with no access to school.

After 1-year deployment.

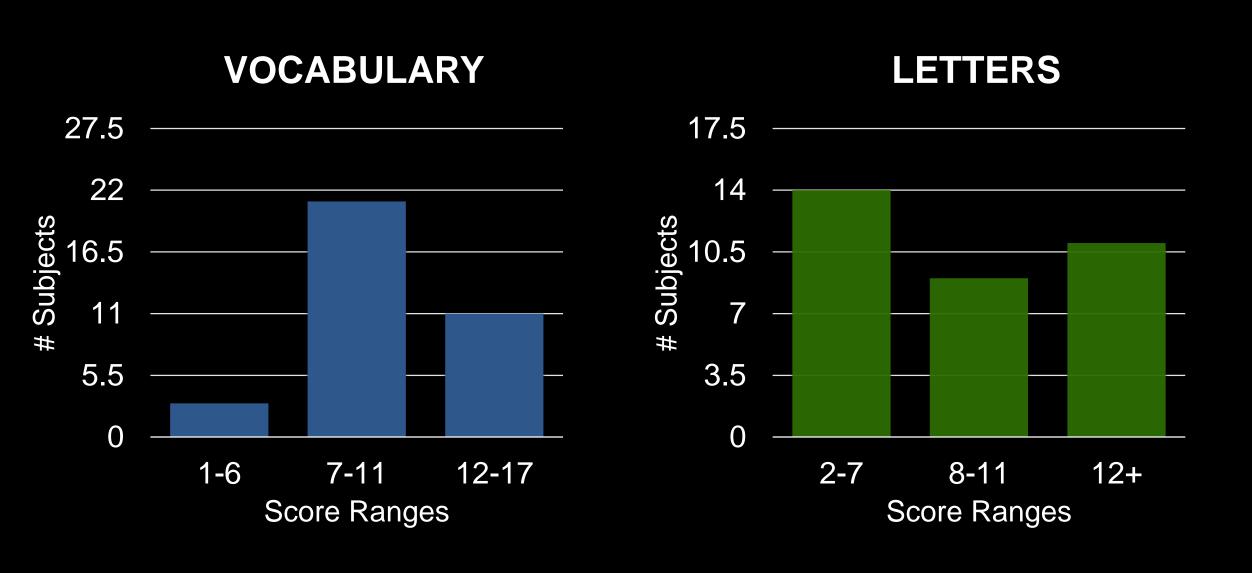


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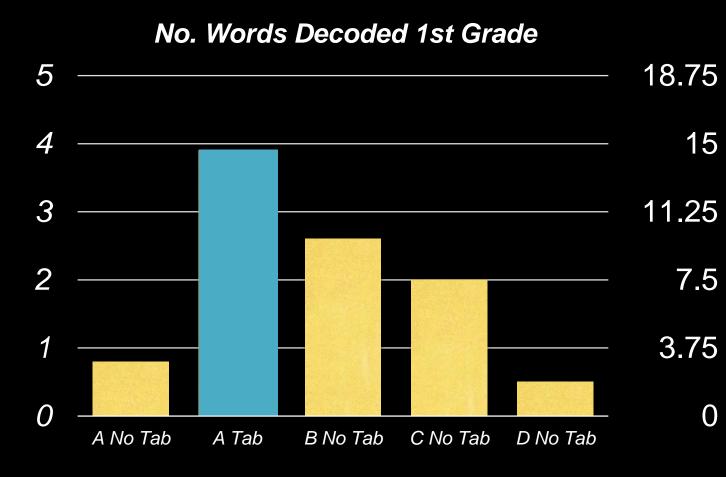




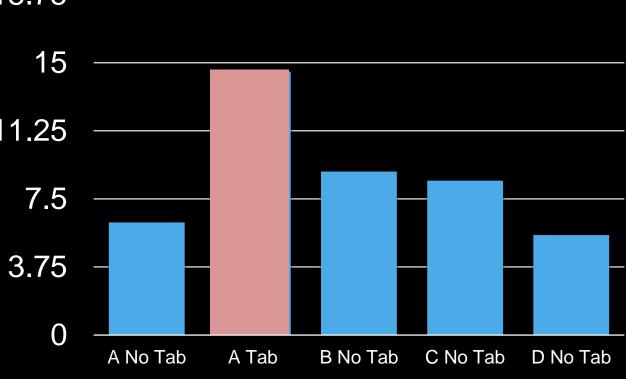












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Invest in and galvanize global efforts to create an Open Digital Education Platform. Leverage the global community of scientists, innovators, technologists, stakeholders to help solve SDG #4.

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.